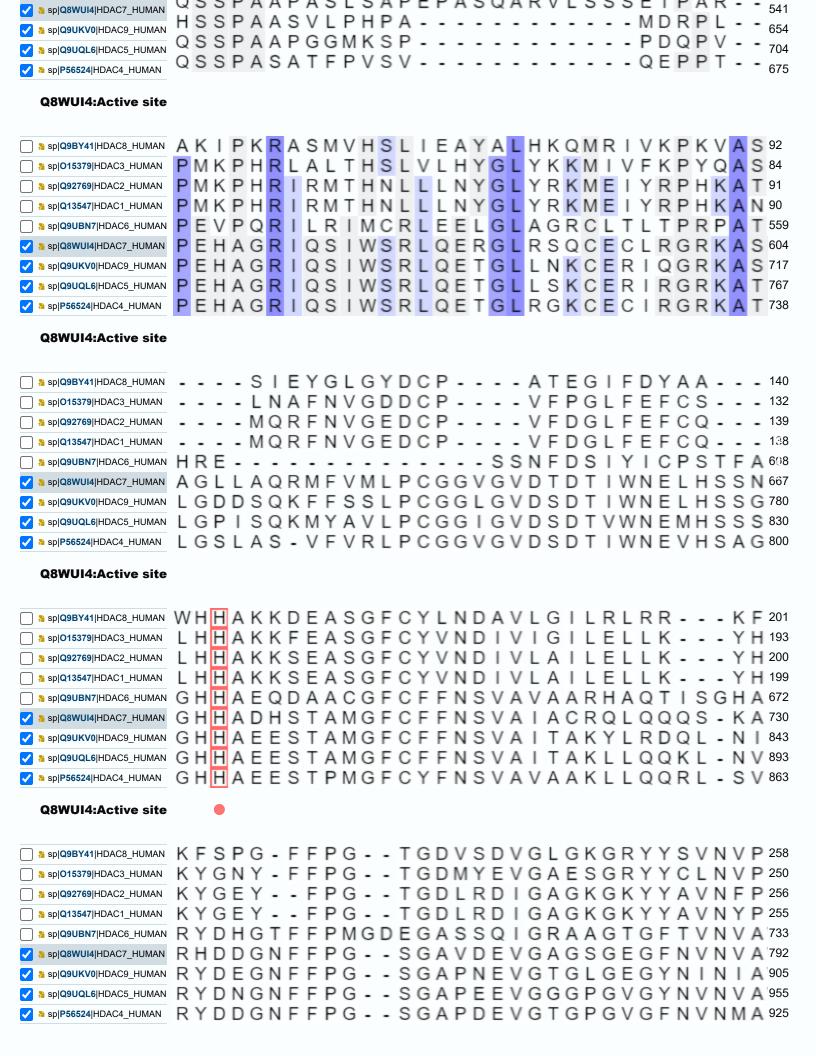
Overview T	Trees P	erc	ent	lde	ntit	ty IV	latr	ix	1	Гехt	: Οι	ıtpı	ıt	lr	npu	t Pa	arar	net	ers		ΑP	l R	equ	est									
Map IDs ± Dow	nload 🖺	Re	sub	mit																													
"Similarity" highliq	ght ▼ SI	how	ing	"Ac	tive	site	e" in	ı "sı	o Q8	BWL	JI4 H	HDA	C7_	HUI	MAN	۷"	•	Vie	ew:	0	Ove	ervie	·W		Wra	appe	ed						
\$\frac{1}{2} \sp\Q9BY41\rightarrow \frac{1}{2} \sp\Q9BY41\rightarrow \frac{1}{2} \sp\Q92769\rightarrow \frac{1}{2} \sp\Q92769\rightarrow \frac{1}{2} \sp\Q9UBN7\rightarrow \frac{1}{2} \sp\Q9UBN7\rightarrow \frac{1}{2} \sp\Q9UKV0\rightarrow \frac{1}{2} \sp\Q9UKV0\rightarrow \frac{1}{2} \sp\Q9UQL6\rightarrow \frac{1}{2} \sq\Q9UQL6\rightarrow \frac{1}{2} \qq\Q9UQL6\rightarrow \frac{1}{2} \qq\Q9UQL6\rightarrow \frac{1}{2} \qq\Q9UQL6\rightarrow \frac{1}{2} \qq\Q9UQL6\rightarrow \frac{1}{2} \qq\Q9UQL6\rightarrow \frac{1}{2} \qq\Q9UQL6\rightarrow \qq\Q9UQL6\rightarrow \qq\Q9UQL6\rightarrow \qq\Q9UQL6\rightarrow \qq\Q9UQL6\rightarrow \qq\Q9UQL6\rightarr	C3_HUMAN C2_HUMAN C1_HUMAN AC6_HUMAN AC7_HUMAN AC9_HUMAN	- - - - - M	- - - - N		P	- - - - N	F		- - - -	- - - -	- - - -		- - - -	R		P	- - - - S		- - - - -			P	- - - - -	- - - - T		- - - M L	٠.	_	- - - - M	I P	- - - S		- 0 - 0 - 0 - 0 - 0 - 8 V 31
sp  <b>P56524</b>  HDA0																			_	Ĺ		-							M	P	Š	-	V 56
Q8WUI4:Ac	tive site																																Feedback
sp Q9BY41 HDA	C8_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- Fee
sp  <b>O15379</b>  HDA0	C3_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 0
sp  <b>Q92769</b>  HDA0	C2_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ 0
sp Q13547 HDA0	C1_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ 0
sp Q9UBN7 HDA	AC6_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ 0
🗸 🤰 sp Q8WUI4 HDA	C7_HUMAN	Ρ	-	-	-	Ρ	V	-	-	-	-	-	Е	Ρ	Ρ	Ρ	Ε	Ρ	Т	L	L	Α	L	Q	R	Ρ	Q	R	L	Н	Η	НΙ	L 44
🗸 🤰 sp  <b>Q9UKV0</b>  HDA	AC9_HUMAN			Μ	-	V	V	D																								QΙ	
🗸 🔉 sp Q9UQL6 HDA	AC5_HUMAN	Α	L	٧	G	S	٧	D	Ρ	Τ	L	R	Ε	Q	Q	L	Q	Q	Е	L	L	Α	L	Κ	Q	Q	Q	Q	L	Q	K (	QΙ	L 125
✓ § sp P56524 HDAC	C4_HUMAN	F	S	L	Р	V	Α	Ε	Ρ	A	L	R	Е	Q	Q	L	Q	Q	Е	L	L	Α	L	K	Q	K	Q	Q	I	Q	R (	Q	120
Q8WUI4:Ac	tive site																																
sp Q9BY41 HDA	C8_HUMAN	_	_	_	_	_	_	_		_	_	_	_	_	_		_	_	_		_		_	_	_	_	_	_		_	_	_	_ 0
sp O15379 HDA0	C3_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	_	_ 0
sp Q92769 HDA0	C2_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	_	_ 0
sp Q13547 HDA0	C1_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	_	_ 0
sp Q9UBN7 HDA	AC6_HUMAN	-	-	-	-	-	-	М	Т	S	Т	G	Q	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	S	Т	Т	T	R 17
sp Q8WUI4 HDA	C7_HUMAN	-	-	-	-	-	-	-	-	-	Ρ	-	-	-	-	-	-	-	-	M	R	L	S	M	D	Т	Ρ	M	Ρ	Е	L	Q 1	V 91
sp Q9UKV0 HDA	AC9_HUMAN	1	Κ	Q	Q	Q	Ε	L	L	Ε	Κ	Ε	Q	Κ	L	Ε	Q	Q	-	-	-	-	-	-	-	R	Q	Ε	Q	Ε	V	ΕI	R 149
sp Q9UQL6 HDA	AC5_HUMAN	Α	Κ	Q	Q	Q	Ε	М	L	Α	Α	Κ	R	Q	Q	Ε	L	Ε	Q	Q	R												<b>K</b> 189
✓ § sp P56524 HDA0	C4_HUMAN	M	K	Н	Q	Q	Е	L	L	Ε	Η	Q	R	K	L	Ε	R	Н	-	-	-	-	-	-	-	R	Q	Ε	Q	Е	L	Εŀ	<b>K</b> 177
Q8WUI4:Ac	tive site																																
sp Q9BY41 HDA	C8_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ 0
sp  <b>O15379</b>  HDA0	C3_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ 0
sp  <b>Q92769</b>  HDA0	C2_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ 0
sp Q13547 HDA0	C1_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ 0
sp Q9UBN7 HDA	AC6_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ 29
✓ 🍇 sp Q8WUI4 HDA	C7_HUMAN	٧	I	L	Κ	K	Q	Q	Α	Α	L	Е	R	Т	-	-	V	-	-	-	Н	Ρ	Ν	S	Ρ	G	I	Ρ	Υ	R	Τ	L	E 144

✓ ✓ ✓	\$\frac{1}{2} \sp \textbf{Q9UKV0} \textructriangle HDAC9_\textrum HUMAN \$\frac{1}{2} \sp \textbf{Q9UQL6} \textrum HDAC4_\textrum HUMAN \$\frac{1}{2} \sp \textbf{P56524} \textrum HDAC4_\textrum HUMAN \$\frac{1}{2} \sp \textrum HUMAN	F	L	L	S	Κ	S	Κ	-	-	Ε	Ρ	Τ	Ρ	G	G	L	Ν	Н	S	L	S I P ( S :	Q	Н	Ρ	K	C	W	G	Α	-	-	Ηź	0
	Q8WUI4:Active site																																	
	sp Q9BY41 HDAC8_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ (	)
	§ sp O15379 HDAC3_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ (	)
	§ sp Q92769 HDAC2_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ (	)
	sp Q13547 HDAC1_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ (	
	sp Q9UBN7 HDAC6_HUMAN	-	-	-	-	-	-	-	-	-	Т	S	K	R	N	I	-	-	-	-	-	-	K	K	G	-	Α	V	Ρ	R	S	П	P	86
<b>✓</b>	sp Q8WUI4 HDAC7_HUMAN	Ρ	Е	Н	F	Р	L	R	K	Т	V	S	Ε	Р	N	L	K	L	R	Υ	K	РΙ	K	K	S	-	L	Е	R	R	K	Ν	P 2	200
<b>✓</b>	sp Q9UKV0 HDAC9_HUMAN																					L												
<b>✓</b>	sp Q9UQL6 HDAC5_HUMAN																					L												
✓	sp P56524 HDAC4_HUMAN	K	D	D	F	Р	L	R	K	Т	Α	S	Е	Р	N	L	K	L	R	S	R	L	K	Q	K	V	A	Е	R	R	S	S	P 2	291
	Q8WUI4:Active site																																	
	sp Q9BY41 HDAC8_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ (	)
	sp O15379 HDAC3_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ (	
	sp Q92769 HDAC2_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ (	
	sp Q13547 HDAC1_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- ,	-	-	-	-	-	-	-	-	-	_ (	
	sp Q9UBN7 HDAC6_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V	G	L	Q	G	M			N		108
=	sp Q8WUI4 HDAC7_HUMAN			S																		-	-	-	_	-	-	-	-		N	_	-	254
<u> </u>	sp Q9UKV0 HDAC9_HUMAN																					ŢΙ												
<u> </u>	sp Q9UQL6 HDAC5_HUMAN																					Α												372
✓	sp P56524 HDAC4_HUMAN	C	S	S	А	٢	G	S	G	Р	S	S	۲	N	N	S	S	G	S	V	S	Α	E	N	G	ı	А	۲	А	V	٢	S		354
	Q8WUI4:Active site																																	
$\Box$	§ sp Q9BY41 HDAC8_HUMAN																					_	_	_						_			_ (	)
	§ sp  <b>O15379</b>  HDAC3_HUMAN			_						_								_			_	_		_	_	_	_	_		_	_	_	_ (	)
	sp Q92769 HDAC2_HUMAN		_	_				_		_	_	_	_			_	_	_	_		_	_	_	_	_	_	_	_		_	_	_	_ (	)
$\overline{\Box}$	\$ sp Q13547 HDAC1_HUMAN		_	_		_			_	_	_	_	_					_			_	_	_	_	_	_	_	_	_	_	_	_	_ (	)
$\overline{\Box}$	sp Q9UBN7 HDAC6_HUMAN	Р	F	R	L	Н	Α	ı	K	F	O	L	ī	O	F	G	L	L	D	R	С	V	S	F	O	Α	R	F	Α	F	K	F	E	172
 ✓	sp Q8WUI4 HDAC7_HUMAN																					-				_	_	_	_	-	_	-		284
<u></u> ✓	sp Q9UKV0 HDAC9_HUMAN																					-				Ν	S	L	Κ	Е	Κ	Q	_ 3	369
	sp Q9UQL6 HDAC5_HUMAN																					L												
	sp P56524 HDAC4_HUMAN					-																_												
	Q8WUI4:Active site																																	
	sp Q9BY41 HDAC8_HUMAN	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_ (	)
	 \$ sp O15379 HDAC3_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	_	-	-	-	-	-	-	-	-	_ (	)
	§ sp Q92769 HDAC2_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ (	)
	§ sp Q13547 HDAC1_HUMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_ (	)
	§ sp Q9UBN7 HDAC6_HUMAN	S	٧	Υ	L	Н	Ρ	Ν	S	Υ	S	С	Α	С	L	Α	S	G	S	V	L	R	L '	V	D	Α	V	L	G	Α	Ε		R 2	236
<b>✓</b>	sp Q8WUI4 HDAC7_HUMAN	-	-	-	Н	-	-	-	-	-	Т	Ρ	L	F	L	Ρ	-	Н	G	L	Ε	РΙ	E	Α	-	G	G	Т	L	Ρ	S	R	L 3	330
<b>✓</b>	sp Q9UKV0 HDAC9_HUMAN																					G I												
<b>✓</b>	sp Q9UQL6 HDAC5_HUMAN																					G١												
	3 sp P56524 HDAC4 HUMAN																													S				

\$\frac{1}{2}\$ sp Q9BY41 HDAC8_HUMAN \$\frac{1}{2}\$ sp O15379 HDAC3_HUMAN \$\frac{1}{2}\$ sp Q92769 HDAC2_HUMAN \$\frac{1}{2}\$ sp Q92769 HDAC1_HUMAN \$\frac{1}{2}\$ sp Q9UBN7 HDAC6_HUMAN \$\frac{1}{2}\$ sp Q9UBN7 HDAC7_HUMAN \$\frac{1}{2}\$ sp Q9UKV0 HDAC9_HUMAN \$\frac{1}{2}\$ sp Q9UQL6 HDAC5_HUMAN \$\frac{1}{2}\$ sp P56524 HDAC4_HUMAN \$\frac{1}{2}\$ sp P56524 HDAC4_HUMAN	- · · · · · · · · ·	- - - A - -	Q	- Q	- - - K - -	H	- R - -		- R - -	- R - -	- - V - -	L		V	- - D	:	-	P P P	F L L	H H H	F P G	- Q A Q Q Q	Q S S	S P P	L L L	M A V	T T T	T K G	E E E	R R R	-	- P L I V	0 0 0 300 367 458 507
\$\frac{1}{2} \sp Q9BY41 HDAC8_HUMAN\$\$\frac{1}{2} \sp Q15379 HDAC3_HUMAN\$\$\frac{1}{2} \sp Q92769 HDAC2_HUMAN\$\$\frac{1}{2} \sp Q9UBN7 HDAC1_HUMAN\$\$\frac{1}{2} \sp Q9UBN7 HDAC6_HUMAN\$\$\frac{1}{2} \sp Q9UBN7 HDAC7_HUMAN\$\$\frac{1}{2} \sp Q9UKV0 HDAC9_HUMAN\$\$\$\frac{1}{2} \sp Q9UKV0 HDAC5_HUMAN\$\$\$\frac{1}{2} \sp Q9UQL6 HDAC5_HUMAN\$\$\$\$\frac{1}{2} \sp P56524 HDAC4_HUMAN\$	L L	P A Q	P Q Q	P L L	- - T G V V V	P I M	M Q Q	Q Q Q	P Q Q	R H H	L Q Q	E Q Q	Q F F	L L L	K E E	T K K	H Q Q	K K	Q Q	- Y -	- - -	- - -	- Q -	Q Q	Q Q	V I L	Q H Q	V M L	I N G	K K K	R L I	- L S L	0 0 0 344 411 520 567
sp Q9BY41 HDAC8_HUMAN sp O15379 HDAC3_HUMAN sp Q92769 HDAC2_HUMAN sp Q9UBN7 HDAC6_HUMAN sp Q9UBN7 HDAC6_HUMAN sp Q9UBN7 HDAC7_HUMAN sp Q9UKV0 HDAC9_HUMAN sp Q9UKV0 HDAC5_HUMAN sp Q9UQL6 HDAC5_HUMAN sp P56524 HDAC4_HUMAN Q8WUI4:Active site	F A L	- - L	- - T	- M	Ρ	s R	D S E	G G G	G N S	G S T	- Т Е	R -	s -	D -	P S	S -	Q A -	V C	V V -	D D	D D	-	L L	G S	Q E	V S	G T	A Q	V E	-	-	- G -	0 0 0 0 404 430 559 608 569
\$\sq\Q9BY41\ HDAC8_HUMAN\$\\ \$\sq\Q9BY41\ HDAC3_HUMAN\$\\ \$\sq\Q92769\ HDAC2_HUMAN\$\\ \$\sq\Q13547\ HDAC1_HUMAN\$\\ \$\sq\Q9UBN7\ HDAC6_HUMAN\$\\ \$\sq\Q9UBN7\ HDAC7_HUMAN\$\\ \$\sq\Q9UKV0\ HDAC9_HUMAN\$\\ \$\sq\Q9UKV0\ HDAC5_HUMAN\$\\ \$\sq\Q9UQL6\ HDAC4_HUMAN\$\\ \$\sq\Q9UQL6\ HDAC4_HUMAN\$\\ \$\sq\Q8WUI4:Active site}\$	H - G	G - E	Q - S	P - G	- M E - A	- L A - E	- E R - E	- S G - G	- P P	- G A - D	- A P L	- P Q E	- C - E	- R -	S	- A -	Q M P	- A - E	S S	- V - G	- S - E	L Q -	- A Q A G	L Q A	- E H F G	A P M Y	- L Q K	- E V Q K	- P L P	- F L F	W L S	E E D	0 0 0 0 459 484 609 659
\$\insp\Q9BY41\ HDAC8_HUMAN\$\insp\Q9BY41\ HDAC8_HUMAN\$\insp\Q92769\ HDAC2_HUMAN\$\insp\Q92769\ HDAC2_HUMAN\$\insp\Q913547\ HDAC1_HUMAN\$\insp\Q9UBN7\ HDAC6_HUMAN\$\insp\Q9UBN7\ HOAC6_HUMAN\$\insp\Q9UBN7\ HO	E			- - -	- - -	- - -		- - -	- - -	- - -		- - -	- - -	- - -	- - -	- - -	- - -	- - -		- - -	- - -	- - -	-	-	-	M	A M	- Y A	S Q	Q T	G Q	-	22 29



## **Q8WUI4:Active site**

Sp|Q9BY41|HDAC8\_HUMAN
Sp|O15379|HDAC3\_HUMAN

sp Q9BY41 HDAC8_HUMAN sp O15379 HDAC3_HUMAN sp Q92769 HDAC2_HUMAN sp Q92769 HDAC1_HUMAN sp Q9UBN7 HDAC6_HUMAN sp Q9UBN7 HDAC7_HUMAN sp Q9UKV0 HDAC9_HUMAN sp Q9UKV0 HDAC5_HUMAN sp Q9UQL6 HDAC5_HUMAN sp P56524 HDAC4_HUMAN Q8WUI4:Active site	C A A L L M V	V	V V L L L L	L L V V V	QQQQSSSSS	CCCAAAA	GGGGGG	AASFFFF		SSSAAAA	LLLAALV	GSSREEE	CGGGGGG	D D D H H H	- - - P T L	- - A P S	RRRPPP		GGGGGG	CCCGGGG	F F C Y Y Y	NNNQHKS	L L V V V	STTSSTT	I V I P A A	RKKEKKR	GGGGCCC	HHHYFFF	G A A A G G	E K K H Y H H	C $C$ $L$ $M$ $L$ $L$	V V T T T	311 317 316 795 856 969 1019
sp Q9BY41 HDAC8_HUMAN sp O15379 HDAC3_HUMAN sp Q92769 HDAC2_HUMAN sp Q13547 HDAC1_HUMAN sp Q9UBN7 HDAC6_HUMAN sp Q8WUI4 HDAC7_HUMAN sp Q9UKV0 HDAC9_HUMAN sp Q9UKV0 HDAC5_HUMAN sp Q9UQL6 HDAC5_HUMAN sp P56524 HDAC4_HUMAN Q8WUI4:Active site	SAARANS	LVVSAAA	LAALLLL	V L L L L L	G E D D G G G S G	ECTDNNV	AEEPREE	I I P V L	S P P D E Q	ENN.PPP	E E - -	L L	P P	Y Y	S N	E D	Y Y	F F F	E E	Y Y	F F	A G - -	PPPSAD	DDLEEE	F F L E D A	T K K T G I V	L L L W L	HHHPKHQ	PIIRQQQ	D S S P K S K	V P P P P P	SSSLNNN	377 372 377 376 840 904 1011 1067 1037
spiQ9BY41 HDAC8_HUMAN spiQ15379 HDAC3_HUMAN spiQ92769 HDAC2_HUMAN spiQ13547 HDAC1_HUMAN spiQ9UBN7 HDAC6_HUMAN spiQ8WUI4 HDAC7_HUMAN spiQ9UKV0 HDAC9_HUMAN spiQ9UKV0 HDAC5_HUMAN spiQ9UQL6 HDAC5_HUMAN spiP56524 HDAC4_HUMAN  Q8WUI4:Active site	P P D P L	G G R D - G	V V E S - R	Q Q G W		Q Q S -	- - -	P - R	R - E	-	-	- T -	K	-	V - A	P P P P	E Q -	D P G	A A A G	V   K   D   E	HPPK - T	E E R E E	D E - -	S S - -	G G - -	D D - -	E E L E	D D A V	E E E	E D R A - T	D D M V	E . T T . S	377 412 420 419 899 942 1011 1114 1076
sp Q9BY41 HDAC8_HUMAN sp O15379 HDAC3_HUMAN sp Q92769 HDAC2_HUMAN sp Q13547 HDAC1_HUMAN sp Q9UBN7 HDAC6_HUMAN sp Q8WUI4 HDAC7_HUMAN sp Q9UKV0 HDAC9_HUMAN sp Q9UKV0 HDAC5_HUMAN sp Q9UQL6 HDAC5_HUMAN sp P56524 HDAC4_HUMAN Q8WUI4:Active site	-	- A -	- V - -	- V - -	A L -	L V	- T E - E	F Q E Q	S S D E E	D D Q E - P	S S P P - A	E S M L	D E E N	E A L	N G A -	D E T -	K G G -	G G G	R R A -	R K T -	N N L	V S A -	A S Q -	D N T -	- H F I 	K K S -	- - E -	- - A -	- - A -	- K K I -	G A G -	A K G	463 461 963

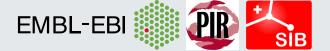
EDKSKDNSGEKTDTKGTKSE - - -

\_ 428

\$\frac{1}{2} \sp\Q92769\rightarrow\rightarro	E Q															G T - -					A '	- V ( - -	- G ( - -	- G - -	- A - -	T - -	_ L - -	A - -	Q - -	T - -	- T - -	S - -	488 482 1027 952 1011 1122 1084
Q8WUI4:Active site																																	
\$\sq\Q9BY41\ HDAC8_HUMAN\$\\ \$\sq\\015379\ HDAC3_HUMAN\$\\ \$\sq\\015379\ HDAC2_HUMAN\$\\ \$\sq\\01547\ HDAC1_HUMAN\$\\ \$\sq\\02549\ HDAC6_HUMAN\$\\ \$\sq\\02549\ Q9UBN7\ HDAC6_HUMAN\$\\ \$\sq\\02549\ Q9UKV0\ HDAC9_HUMAN\$\\ \$\sq\\02549\ Q9UKV0\ HDAC5_HUMAN\$\\ \$\sq\\02549\ Q9UKV0\ HDAC5_HUMAN\$\\ \$\sq\\02549\ Sq\\0254\ HDAC4_HUMAN\$\\ \$\sq\\02549\ Sq\\0254\ HDAC4_HUMAN\$\\ \$\sq\\02549\ Sq\\0254\ HDAC4_HUMAN\$\\ \$\sq\\02549\ Sq\\0254\ HDAC4_HUMAN\$\\	D	H	Q	T	P	- - P - -			- - - - -	- - - - -	Q	- - - - -	- - T - -		- - P - -	Q			- - - - -		- - T	- - - - -	- - -   (	G	S	L	- - R - -	- - T - -	L	E	L	- - G -	377 428 488 482 1091 952 1011 1122 1084
\$\sq\Q9BY41\ HDAC8_HUMAN\$\ \$\sq\\015379\ HDAC3_HUMAN\$\ \$\sq\\015379\ HDAC2_HUMAN\$\ \$\sq\\0258\\0258\\02769\ HDAC2_HUMAN\$\ \$\sq\\0278	- - - M			S	- - R - -	G	L	- - T - -	- - D - -	Q	A		F	- - Y -	- - - - - -	- - V - -	- - T - -	- - - - - -	L	- - - - - -	- - - - -	- - - - -	- - - - -	- - H - -	L	- - V - -	- - - A - -	- - - - - -		- - P - -		- - P -	377 428 488 482 1155 952 1011 1122 1084
\$\frac{1}{2} \sp \Q9BY41 \text{HDAC8_HUMAN}\$\$ \$\frac{1}{2} \sp \O15379 \text{HDAC3_HUMAN}\$\$ \$\frac{1}{2} \sp \Q92769 \text{HDAC2_HUMAN}\$\$ \$\frac{1}{2} \sp \Q9UBN7 \text{HDAC1_HUMAN}\$\$ \$\frac{1}{2} \sp \Q9UBN7 \text{HDAC6_HUMAN}\$\$\$ \$\frac{1}{2} \sp \Q9UKV0 \text{HDAC9_HUMAN}\$\$\$ \$\frac{1}{2} \sp \Q9UKV0 \text{HDAC5_HUMAN}\$	- · · · · · · · · · · · · · · · · · · ·		- - N -	- - - G - -	H	- - M -	L	-	-	-	-	-	- S -	- G -	- - H -	-	- L -	- - V	- - L	-	- - - Y -	-	-	-	-	-	-	-	-	- - - Y -	- - - - - -	- Q -	377 428 488 482 1215 952 1011 1122 1084

**Q8WUI4:Active site** 





© 2002 - 2023 UniProt consortium

License & Disclaimer | Privacy Notice

Release 2023\_04 | Statistics

Core data	Supporting data	Information
Proteins (UniProtKB)	Literature citations	Cite UniProt <sup>99</sup>
Species (Proteomes)	Taxonomy	About & Help
Protein clusters (UniRef)	Keywords	UniProtKB manual
Sequence archive (UniParc)	Subcellular locations	Technical corner
	Cross-referenced databases	Expert biocuration
	Diseases	Statistics

Get in touch ⊠



UniProt is an ELIXIR core data resource





UniProt is a GBC global core biodata resource GCRE BIODATA RESOURCE



Main **funding** by:

**National Institutes of Health** 



