

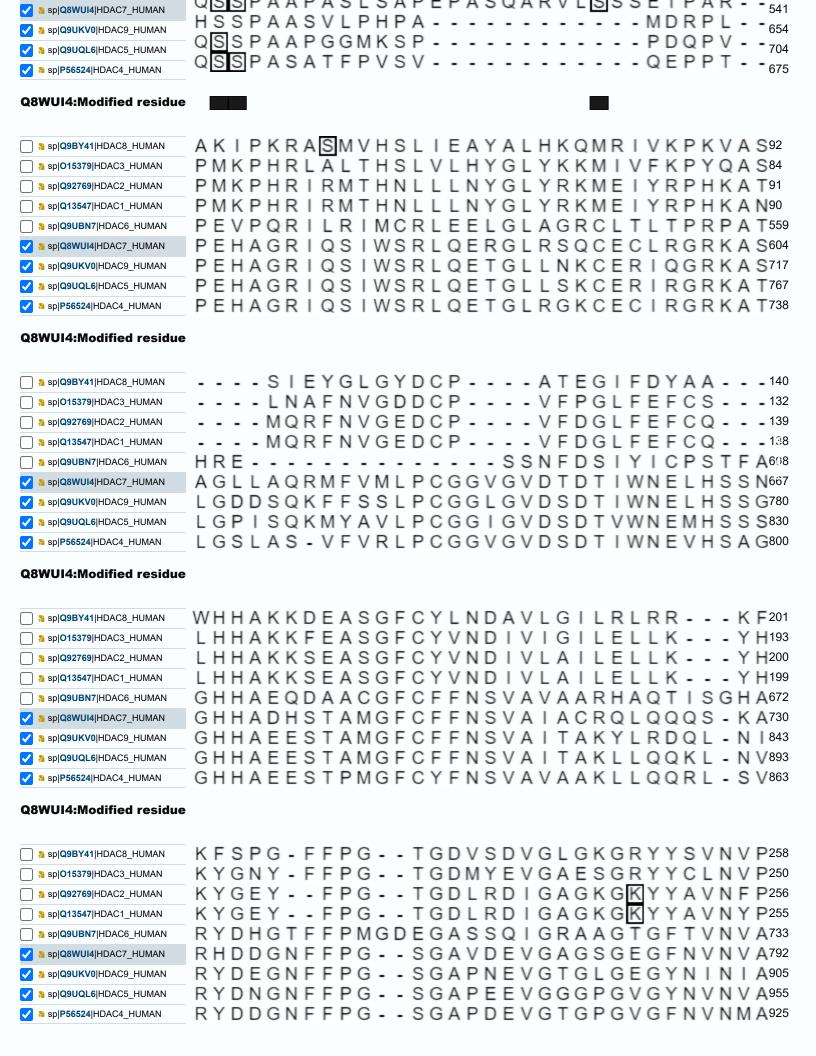
UniProt SPARQL Tool results

Overview Trees Per	cent	ldent	ity Ma	trix		Text	Out	put		Inpi	ut P	ara	ame	ters	6	Al	PI R	equ	est									
Map IDs ± Download ♠ Re	esubr	nit																										
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sp O15379 HDAC3_HUMAN	-			-	-	-		-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	- 0
sp Q92769 HDAC2_HUMAN	-			-	-	-		-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	- 0
sp Q13547 HDAC1_HUMAN	-			-	-	-		-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	- 0
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sp Q9UQL6 HDAC5_HUMAN	M		PΛ												_	-		? F							-	-	-	V61
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✓ № sp Q8WUI4 HDAC7_HUMAN	-	-																													L 330	
✓ № sp Q9UKV0 HDAC9_HUMAN	G	S																													L 416	
✓ № sp Q9UQL6 HDAC5_HUMAN	_	_	_	_				-																							L 463	
✓ ¾ sp P56524 HDAC4_HUMAN		Ġ																													_ L 436	

Q8WUI4:Modified residue

\$\frac{1}{2}\$ sp \textit{Q9BY41} \text{HDAC8}_HUMAN\$\$\$ sp \text{Q15379} \text{HDAC2}_HUMAN\$\$\$ sp \text{Q92769} \text{HDAC2}_HUMAN\$\$\$\$ sp \text{Q92769} \text{HDAC2}_HUMAN\$\$\$\$ sp \text{Q9UBN7} \text{HDAC6}_HUMAN\$\$\$\$\$ sp \text{Q8WU14} \text{HDAC7}_HUMAN\$\$\$\$\$\$\$\$\$\$\$ sp \text{Q9UKV0} \text{HDAC9}_HUMAN\$ sp \text{Q9UQL6} \text{HDAC5}_HUMAN\$	- - - -	- - - A - -	Q	- Q	- - K - -	- - H	R		R	-	-	-	-	-	-	- F - F	PF	H	F P G	A 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 ·	 O F - L	0 0 0 0 300 367 458 507
\$\frac{1}{2}\$ sp Q9BY41 HDAC8_HUMAN\$\$\frac{1}{2}\$ sp O15379 HDAC3_HUMAN\$\$\$ sp Q92769 HDAC2_HUMAN\$\$\$\$ sp Q92769 HDAC2_HUMAN\$	P L L	P A Q	P Q Q	P L L	G V V	P I I (M (Q (Q (/ P Q P Q Q	R H H	L Q Q	E Q Q	Q F F	L L L	K E E	T I K (H . Q k Q k	((- (Y	-	-	Q -	Q Q	Q Q	V I L	Q H Q	V M L	I N G	K F K I K	 - ! - !	- 0 - 0 - 0 - 0 - 344 - 411 - 520 - 567 540
\$\frac{1}{2}\$ sp Q9BY41 HDAC8_HUMAN\$\$\$ sp Q92769 HDAC2_HUMAN\$\$\$ sp Q92769 HDAC2_HUMAN\$\$\$\$ sp Q9UBN7 HDAC6_HUMAN\$\$\$\$ sp Q9UBN7 HDAC6_HUMAN\$	L	- - L	- - T	- M	P P	s R	D (S (E (3 S	G S T	- Т Е	- R -	s -	- D -	S :	-	Α (D D	D -	G T •	L L	G S	Q E	V S	G T	A Q	v E		И С	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
\$\frac{1}{2}\$ sp \textit{Q9BY41} \text{HDAC8}_HUMAN\$\$\$ sp \text{O15379} \text{HDAC3}_HUMAN\$\$\$\$ sp \text{Q92769} \text{HDAC2}_HUMAN\$\$\$\$ sp \text{Q3547} \text{HDAC1}_HUMAN\$\$\$\$\$ sp \text{Q9UBN7} \text{HDAC6}_HUMAN\$	H G A	G - E	Q - S	P - G	M E -	L A - E	E S R (3 P 3 P	G A D	- - A P I L	 P . Q E	- C - E	- R -	- S /	- - A (Q / M E	A S	- V - G	- S - E	- C 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 V L V F I	V E V E S C	0 0 0 0 459 484 609 659
\$\frac{1}{2} \sp \Q9BY41 \text{HDAC8_HUMAN}\$\$ \$\frac{1}{2} \sp \Q95769 \text{HDAC2_HUMAN}\$\$ \$\frac{1}{2} \sp \Q92769 \text{HDAC2_HUMAN}\$\$ \$\frac{1}{2} \sp \Q13547 \text{HDAC1_HUMAN}\$\$ \$\frac{1}{2} \sp \Q9UBN7 \text{HDAC6_HUMAN}\$\$	- - - E		-	-	-	-	- :		-		- - -	- - -	- - -		- - -	- ·	 	:	:		- - E	- - G	- - - P	M - W	A M E	Y A P	S Q P	T (3 . Q .	- 22 - 29



Q8WUI4:Modified residue AVVLQLGADTIAGD - - PMCSFNMTPVGIGKCL319 sp|Q9BY41|HDAC8_HUMAN C | V L Q C G A D S L G C D - - R L G C F N L S | R G H G E C V311 sp|O15379|HDAC3_HUMAN AVVLQCGADSLSGD - - RLGCFNLTVKGHAKCV317 sp|Q92769|HDAC2 HUMAN AVVLQCGSDSLSGD - - RLGCFNLTIKGHAKCV316 sp|Q13547|HDAC1_HUMAN LVLVSAGFDAARGD - - PLGGCQVSPEGYAHLT795 sp|Q9UBN7|HDAC6_HUMAN ✓ № sp|Q8WUI4|HDAC7_HUMAN L V L V S A G F D A A E G H P A P L G G Y H V S A K C F G Y M T856 MVLVSAGFDALEGHTPPLGGYKVTAKCFGHLT969 🗸 🐉 sp|Q9UKV0|HDAC9_HUMAN 🗸 🐉 sp|Q9UQL6|HDAC5_HUMAN ✓ № sp|**P56524**|HDAC4_HUMAN V V L V S S G F D A V E G H P T P L G G Y N L S A R C F G Y L T989 **Q8WUI4:Modified residue** GVILGKTLSSEIPDHEFFTAYGPDYVLEITPS377 sp|Q9BY41|HDAC8_HUMAN sp|O15379|HDAC3_HUMAN A V A L D C E I P N E L P Y N D Y F E Y F G P D F K L H I S P S377 spiQ92769|HDAC2 HUMAN AVALDTEIPNELPYNDYFEYFGPDFKLHISPS376 sp|Q13547|HDAC1_HUMAN R S L L G D P P - - - - - - - - - - - - P L L T L P R P P L 840 sp|Q9UBN7|HDAC6_HUMAN A A L L G N R V D P - L - - - - - - - - S E E G W K Q K P N904 ✓ № sp|Q8WUI4|HDAC7_HUMAN NALLGNELEP-L-----AEDILHQSPN1011 🗸 🐉 sp|Q9UKV0|HDAC9_HUMAN S A L L S V E L Q P - L - - - - - - - - D E A V L Q Q K P N 1067 🗸 🐉 sp|Q9UQL6|HDAC5_HUMAN S A L L G N E L D P - L - - - - - - - - P E K V L Q Q R P N 1037 ✓ № sp|P56524|HDAC4_HUMAN **Q8WUI4:Modified residue** sp|Q9BY41|HDAC8_HUMAN PSVQIH-----DVPADLLTYDRTDEADAEE412 sp|O15379|HDAC3_HUMAN P G V Q M Q - - - - - - A I P E D A V H E D S G D E D G E D - 420 sp|Q92769|HDAC2_HUMAN PGVQMQ - - - - - - A | PEDA | PEESGDEDEDD - 419 sp|Q13547|HDAC1_HUMAN DREGPSSSKLVTKKAPQPAKPR----LAERMT899 sp|Q9UBN7|HDAC6_HUMAN PDSWV - - PR - - - - VP - GADKE - - - - EVEAV T942 ✓ № sp|Q8WUI4|HDAC7_HUMAN V sp|Q9UKV0|HDAC9_HUMAN LGRSL - - RE - - - - AQ - AGETE - - - EAET V \$1114 🗸 🐉 sp|Q9UQL6|HDAC5_HUMAN AGRSL - - | E - - - - AQ - TCENE - - - EAETV T1076 ✓ № sp|P56524|HDAC4_HUMAN **Q8WUI4:Modified residue** sp|Q9BY41|HDAC8_HUMAN sp|O15379|HDAC3_HUMAN - - - - FSDSEDEGEGGRRNVADHK - - - KGA463 sp|Q92769|HDAC2_HUMAN - - - - FSDSEEEGEGGRKNSSNFK - - - KAK461 sp|Q13547|HDAC1_HUMAN T A V V A L T Q D Q P S E A A T G G A T L A Q T I S E A A I G G963 sp|Q9UBN7|HDAC6_HUMAN --LVEEEEPMNL-----952 🗸 🐉 sp|Q8WUI4|HDAC7_HUMAN V sp|Q9UKV0|HDAC9_HUMAN --PMEQEPAL-----1122 🗸 🐉 sp|Q9UQL6|HDAC5_HUMAN sp|P56524|HDAC4_HUMAN ---PMEEEPPL-----1084 **Q8WUI4:Modified residue**

EDKSKDNSGEKTDTKGTKSE---------

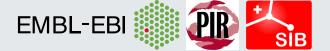
_ _ _ _ 428

sp|Q9BY41|HDAC8_HUMAN
sp|O15379|HDAC3_HUMAN

spiQ92769 HDAC2_HUMAN spiQ13547 HDAC1_HUMAN spiQ9UBN7 HDAC6_HUMAN spiQ8WUI4 HDAC7_HUMAN spiQ9UKV0 HDAC9_HUMAN spiQ9UQL6 HDAC5_HUMAN spiP56524 HDAC4_HUMAN Q8WUI4:Modified residue																	V F		- - -	- V - -	- G - -	G - -	A	T	- - - -	A - -	Q .	- T '	- T :	_ 488 S 482 _ 1027 _ 952 _ 1011 _ 1122 _ 1084	•
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Q8WUI4:Modified residue





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