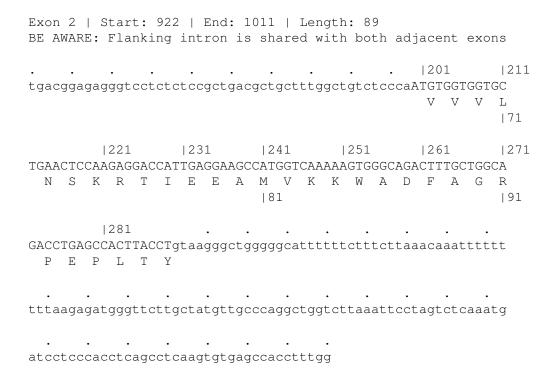
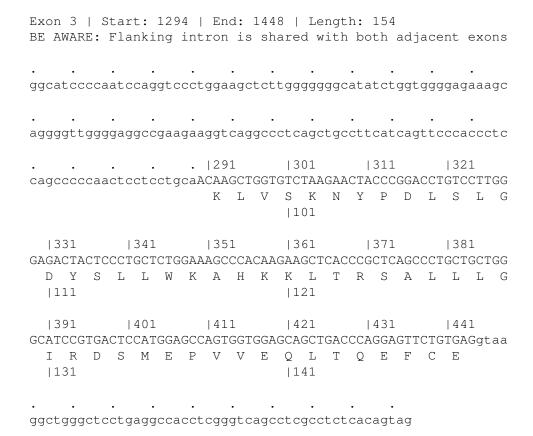
Gene: ENSG00000198457 - Sequence: ENST00000448314 Transcript: ENST00000448314 - Protein: ENSP00000398594 Date: March 2, 2015

 1^{st} line: Base numbering. Full stops for intronic +/-5, 10, 15... 2^{nd} line: Base sequence. lower case Introns, upper case Exons 3^{rd} line: Amino acid sequence. Printed on FIRST base of codon 4^{th} line: Amino acid numbering. Numbered on 1^{st} and increments of 10 Exon 1 | Start: 501 | End: 824 | Length: 323 BE AWARE: Flanking intron is shared with the following exon $\verb|ttgttcttcaggcgattcaggaaggcctattaggcagggactgccattttctctctgaga|\\$ caaacatcatgccagtaaactggcccacggtggggtggcagagggagagggcccaggtgg gggcggacactattgcctgcacagttgatgtggaaccagaaagctgactctggatgcagg aaaaaggtcagggttgcatttcccttccttgcttcttgatgggtgatcaatttttttgaa $\verb|atacggacgtcccaaggccaatgagactggtgtcattccagaaaagggccactctgtggg|$ 1-99 |-1191-109 |-89 1-79 GGGTCGGTGGGAGGTACCTGAAGGTGGGGTCAAGGGAGGCCCCAAAACAGTCTACACAG |-19| ${\tt CAGGAGGGATGGCTGGGGCTCTTGAGCTATAAGTGGCACCTCAGGGCCCTGACGGGCGTC}$ 111 121 131 141 151 11 |11 |71 |81 |91 |101 GGAACTGGTGGAAGCTCCGGAGCCTCCACCTCCCGCCTCTTGCCCCGGGCTTCTTGCACT N W W K L R S L H L P P L A P G F L H L |21 |31

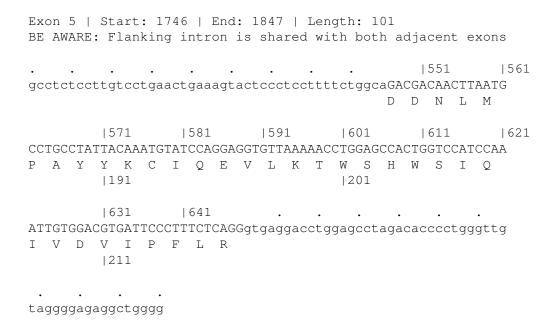
· · · agggggggggggggg



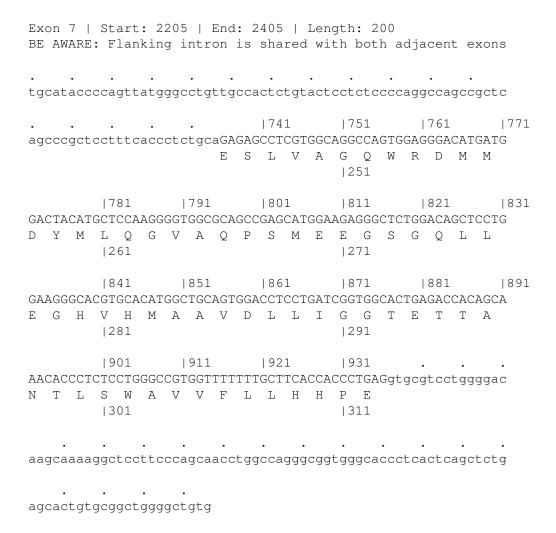


Exon 4 | Start: 1556 | End: 1657 | Length: 101 BE AWARE: Flanking intron is shared with both adjacent exons $\verb|ccccgccctgcccgctgcacageggcctgctgaactcacactgtttctccacaCGCATG|$ |451 |461 |471 |481 |491 |501 RAQPGTPVAIEEEFSLLTCS |151 |161 |511 |521 |531 |541 $\verb|ATCATCTGTTACCTCACCTTCGGAGACAAGATCAAGgtgcctcacagcccctcaggccca| \\$ I I C Y L T F G D K I K |171 |181

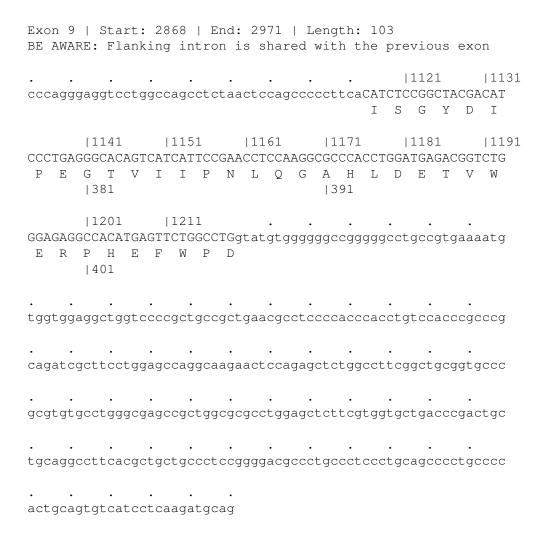
ccccagcccctccctga



Exon 6 Start: 1949 End: 2035 Length: 86 BE AWARE: Flanking intron is shared with both adjacent exons
F F P N
661 671 681 691 701 711 ATCCAGGTCTCCGGAGGCTGAAGCAGGCCATAGAGAAGAGGGATCACATCGTGGAGATGC
P G L R R L K Q A I E K R D H I V E M Q 221 231
721 731
L R Q H K 241
tgatgctaccggcctcagcattgctatgaggcgggttcttt



Exon 8 | Start: 2606 | End: 2784 | Length: 178 BE AWARE: Flanking intron is shared with both adjacent exons |941 |951 $\verb|ctgtgggctgctggggcaggactccaccgatcattccccaATTCAGCAGCGACTGCAGG| \\$ IQQRLQE | 961 | 971 | 981 | 991 | 1001 | 1011 $\tt AGGAGCTAGACCACGAACTGGGCCCTGGTGCCTCCAGCTCCCGGGTCCCCTACAAGGACC$ E L D H E L G P G A S S S R V P Y K D R |321 |331 |1021 |1031 |1041 |1051 |1061 |1071 GTGCACGGCTGCCCTTGCTCAATGCCACCATCGCCGAGGTGCTGCGCCCTGCGGCCCGTTG A R L P L L N A T I A E V L R L R P V V |351 |341 |1081 |1091 |1101 |1111 ${\tt TGCCCTTAGCCTTGCCCCACCGCACCACCACGGCCCAGCAGGtgactcccgagggttgggg}$ P L A L P H R T T R P S S |361 |371 atgagtgaggaaagcccgag



CCCCGCTCCGCGGGACCCCCCCCCCCCCCCCCCCCCCCC	Exor BE 2																7iou	s e	xon	
R F L E		·	acc		naa	CCC														
AGCCAGGCAAGAACTCCAGAGCTCTGGCCTTCGGCTGCCGCGTGCCCGCGTGTGCCTGGGCGCGCTGCGCGCGCTGCGCGCGCGCGCGCCTGGAGCCTTCCGGCGCGCGC		900	gec	.gcc	guu	.cgc			zacc	cuc	ccg		400	.cgc		Car				E
P G K N S R A L A F G C G A R V C L G E 431 1301	7.00	27.00																		
AGCCGCTGGCGCCTGGAGCTCTTCGTGGTGCTGACCCGACTGCTGCAGGCCTTCACGC P L A R L E L F V V L T R L L Q A F T L 451 1361	r	G	V	IN	۵	K	А	П	A			C	G	А	Л	V	C	П	G	
P L A R L E L F V V L T R L L Q A F T L	7 CC	ССТ																		
TGCTGCCCTCCGGGGACGCCTGCCCTCCCTGCAGCCCCTGCCCACTGCAGTGTCATCC L P S G D A L P S L Q P L P H C S V I L 471 1421	T	ш	71	10	п	ш		_	V			_	10		П	Q	71	_	_	_
461	TGC:	rgcc																		
1421	L	P	S	G	D	Α	L	Ρ	S	L	Q	P	L	P	Н	С	S	V	I	L
TCAAGATGCAGCCTTTCCAAGTGCGGCTGCAGCCCCGGGGGATGGGGGCCCACAGCCCAG K M Q P F Q V R L Q P R G M G A H S P G 491 1481 *1										·										·
481	TCA	AGAI																		
GCCAGAACCAGTGATGGGGCAGGACCGATGCCAGCCGGGTACCTCAGTTTCTCCTTTATT Q N Q * *51 *61 *71 *81 *91 *101 GCTCCCGTACGAACCCCTCCCCCCCCTGTAAACACAGTGCTGCGAGATCGCTGGCAG *111 *121 *131 *141 *151 *161 AGAAGGCTTCCTCCAGCGGCTGGGTGAAGGACCCTGGCTCTTCTCTCGGGGCCGACCC *171 *181 *191 *201 *211 *221 CTCAGTGCTCGGCAGTCATACTGGGGTGCGAGAGAGGTGGGCAGCTCAGCCTCCCCC *231 *241 *251 *261 *271 *281	K	М	Q	P	F	Q	V	R	L	_		R	G	М	G	А	Н	S	P	
GCTCCCGTACGAACCCCTCCCCCCCCTGTAAACACAGTGCTGCGAGATCGCTGGCAG *111 *121 *131 *141 *151 *161 AGAAGGCTTCCTCCAGCGGCTGGGTGAAGGACCCTGGCTCTTCTCTCGGGGCGACCC *171 *181 *191 *201 *211 *221 CTCAGTGCTCGGCAGTCATACTGGGGTGCGAGAGAGGTGGGCAGCAGCTCAGCCTCCCCC *231 *241 *251 *261 *271 *281			CCF	AGTG																
AGAAGGCTTCCTCCAGCGGCTGGGTGAAGGACCCTGGCTCTTCTCTCGGGGCGACCC *171 *181 *191 *201 *211 *221 CTCAGTGCTCGGCAGTCATACTGGGGTGCGAGAGAGGTGGGCAGCAGCTCAGCCTCCCC *231 *241 *251 *261 *271 *281	GCT																			
*171 *181 *191 *201 *211 *221 CTCAGTGCTCGGCAGTCATACTGGGGTGCGAGAGAGGTGGGCAGCAGCTCAGCCTCCCCC *231 *241 *251 *261 *271 *281	A C A :																			
CTCAGTGCTCGGCAGTCATACTGGGGTGCGAGAGAGGTGGGCAGCAGCTCAGCCTCCCCC *231 *241 *251 *261 *271 *281	AGA	JUUC	,110	,010	CAG		1010		1001	GAA	JUA	·CCC	100	CIC	110	,101	. 000	GGC	GAC	CC
	CTC																			
	acc.																			

*	291	*301	* 311	*321	*331	*341
GAAGCC	CTTCCAG'	TGGTACCAGC	TCACTCCCTG	GGAAAGGGGT	TGTCAAGAG.	AGAGTCAA
*	351	* 361	* 371	* 381	*391	*401
			CCCGTTCCCC			
*	411	I * 421	* 431	l * 4 4 1	I * 451	l * 461
			CCTGACCCTC(
*	471	I * 4 8 1	*491	l*501 .		
			AATCAACTCC			
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			gtcccttgcc			
50000			,	- 9 9	- 9 9 9 9 9	
			gctctgagcc			
	gagooo	agooaccca	gooogagoo	90000000		94099000
			gaggttggcg			
accycy	ccccgc	agageeegee	gaggeeggeg	ageggeage	cccgcacc	accaggee
			gatgagcaag		cccatcac	
ccccgg	caggaga	cagegeagga	gacgagcaag	zegeeggge	cccgaccac	gggcagag
	ctaccas		· · ·	·		
aayaca	cigacyc	cycyytayct	catggagtcc	JULYY		

GBK Parser: Version: 1.1, Version Date: 11/02/2015

Reader: Version: 1, Version Date: 11/02/2015 Writer: Version: 1, Version Date: 11/02/2015 Control: Version: 1, Version Date: 11/02/2015