

Product datasheet for RR216541

Elavl2 (NM_001302217) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elavl2 (NM_001302217) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elavl2
Synonyms:	Elav2; Hub
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216541 representing NM_001302217 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGTCAGACTGTGTGATGTGGCTTCTCTGCTTAGAAGCGGTTTCGTGGGCAGCAGAGCCTTGGACCG
GGCAGGTAATTGCTGCCATGGAAACACAACCTGTCTAATGGCCAACCTGCAATAACACAGCCAATGGTCC
AACCACTGTAAACAACAACCTGCTCCTCACCAGTTGACTCCGGGAACACAGAGGACAGCAAGACCAACCTA
ATAGTCAACTACCTTCTCAGAACATGACACAGGAAGAATAAAGAGTCTTTTTGGGAGCATTGGCGAGA
TTGAGTCTGTAAAGCTTGTAAAGAGACAAAATAACAGGGCAGAGCTTGGGTTACGGCTTTGTGAACACTACAT
TGATCCCAAGGATGCAGAGAAAGCGATCAACACTCTGAATGGATTGAGACTTCAAACCAAAAACAATAAAA
GTTTCCTATGCTCGTCCAAGTTCAGCTTCTATCAGAGATGCAAACCTATATGTCAGTGGTCTTCCAAAA
CCATGACCCAGAAGGAGCTGGAGCAGCTGTTTTACAGATGCGGCATCATTACTTCTCGGATTCTTGT
CGACCAGGTCAGTGGCATATCAAGGGGTGAGGGTTTATTCGATTTGACAAGCGGATTGAGGCAGAAGAA
GCTATCAAAGGCCTAAATGGCCAGAAACCTCCTGGTGCCACAGAGCCAATCACTGTAAAGTTTGCTAATA
ATCCAAGCCAAAAACCAATCAGGCCATCCTGTCCAGCTGTACCAGTCTCCAACAGAAAGTACCAGG
ACCGTAGCTCAGCAAGCGCAGCGCTTTAGGTTGGACAATCTGCTCAATATGGCTTATGGAGTGAAGAGG
TTTTACCAATGACGATTGATGGAATGACCAGTCTGGCTGGAATTAATATTCTGGGCACCTGGAACAG
GCTGGTGATATTTGTGTACAACCTGGCGCTGATGCAGACGAAAGTATCCTGTGGCAAATGTTGGGCC
TTTTGGAGCTGTACCAACGTGAAGTCAATCCGTGACTTTAACACCAATAAATGCAAAGTTTTGGATTT
GTGACTATGACAACTATGATGAGGCTGCCATGGCGATAGCTAGCCTCAATGGATACCGTCTGGGAGACA
GAGTACTGCAGGTCTCCTTAAGACAAAACAAACGCACAAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216541 representing NM_001302217
Red=Cloning site Green=Tags(s)

MAVRLCDVASLLRSGSWAAEPWTGQVIAAMETQLSNGPTCNNTANGPTTVNNNCSSPVDSGNTEDSKTNL
 IVNYLPQNMTQEELKSLFGSIGEIESCKLVRDKITGQSLGYGFVNYIDPKDAEKAINLNLRLQTKTIK
 VSYARPSSASIRDANLYVSGLPKMTQKELEQLFSQYGRITTSRILVDQVTGISRGVGFIRFDKRIEAE
 AIKGLNGQKPPGATEPITVKFANNPSQKTNQAILSQLYQSPNRRYPGPLAQQAQRFRLDNLNLMAYGVKR
 FSPMTIDGMTSLAGINIPGHPGTGWCIFVYNLAPDADESILWQMFPGFVAVTNVKVIRDFNTNKCKGFGF
 VTMTNYDEAAMAIASLNGYRLGDRVLQVSFKTNKTHKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

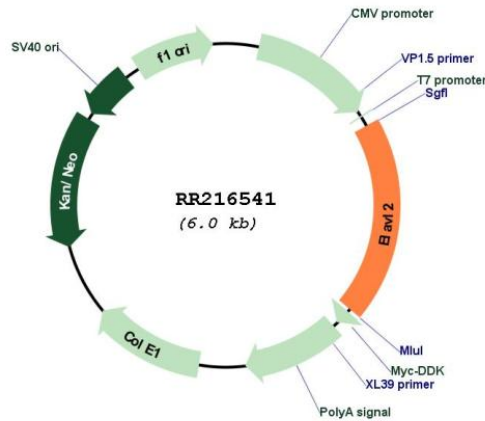
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001302217

ORF Size:	1164 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001302217.1 , NP_001289146.1
RefSeq Size:	4785 bp
RefSeq ORF:	1167 bp
Locus ID:	286973
Cytogenetics:	5q32
MW:	42.5 kDa
Gene Summary:	a putative RNA binding protein [RGD, Feb 2006]