

Product datasheet for **RR216391**

Elmod1 (NM_001191579) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Elmod1 (NM_001191579) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Elmod1
Synonyms: RGD1564186
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216391 representing NM_001191579
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGCACTTCCTGAGGATGTTGATCCAGGTGTGCCTCTATTTCTACTGTAAATTTTTGTGGCGCTGCA
TGAAGTTTGTGATGCGTAAGCTCACGGGAAGGTGTGAGCTGCAAAGGATTTGCTACGGCACCAAACCCGG
AGCTTCCAGAACCATGAAAATTGAAACGCTCACTGAGAGATTCAAAAAGCAAGCTGTTGCAGACATCAGTG
AGTGTTACCTGATGCTATCGAAAAGACTATTGATGACATCATGGAATTGAAAAAATTAACCCCTGACA
TCAATCCACAGTTGGGAATCTCTCTCCAGGCTTGCCCTTCTGCAAATTGTGGGTTACAGAAACCTCATTGC
AGATGTGGAAAACTGCGCAGAGAACCCTACGATTCCGACAACCCCCAGCATGAAGAGATGCTTCTGAAG
CTATGGGAGTTCCTGAAGCCCAACACTCCACTGGAGTCTCGGATTTCTAAGCAGTGGTGTGAGATTGGCT
TCCAAGGTGATGATCCGAAAACAGATTTTCGAGGAATGGGTCTTCTGGGACTTTACAATTTGCAATATT
CGCAGAACGGGATGCCACGGTAGCTCAGCAAGTCTGTGTGACTCTGTTCCAAAATGCAGGGATATC
ACTAAGGAGGAAATAAGCAAATTCAGCAAACAGAATGGGAAAAGAAAAAGATGGATAAAGCAATTGGGT
ACTCCTTTGCAATCGTGGGCATCAATATCACCGACCTGGCATATAATCTGCTCGTGAGCGCGCTCTGAA
AACACATTTCTACAACATCGCTCCCGAAGCTCCAACACTGTCTCACTTCCAGCAAACATTCTGCTATTTG
ATGCACGAGTTTCACAAGTTTTGGATTGAAGAGGACCCCATGGACATAATGGAATTTAACCGCGTGCGGG
AGAAATTCGCAAGAGAATCATAAACAGCTGCAGAACCAGACATGGCGCTGTGCCACATTTCTGCTGC
CTCTGAAGGTTTAAATCAACATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216391 representing NM_001191579
 Red=Cloning site Green=Tags(s)

MKHFLRMLIQVCLFYCKFLWRCMKFVMRKL TGRCELQRICYGTPGASRTMKIETSLRDSKSKLLQTSV
 SVHPDAIEKTIDDIMELKKNPDINPQLGISLQACLLQIVGYRNLIADVEKLRREPYSDSNPQHEEMLLK
 LWEFLKPNTPLESRIKQWCEIGFQGDDPKTDFRGMGLLGLYNLQYFAERDATVAQQVLCDSVHPKCRDI
 TKEEISKFSKTEWEKKMDKAIGYSFAIVGINITDLAYNLLVSGALKTHFYNIAPAEPTLSHFQQTFCYL
 MHEFHKFWIEEDPMDIMEFNVRVREKFRKRIIKQLQNPDMALCPHFAASEGLINM

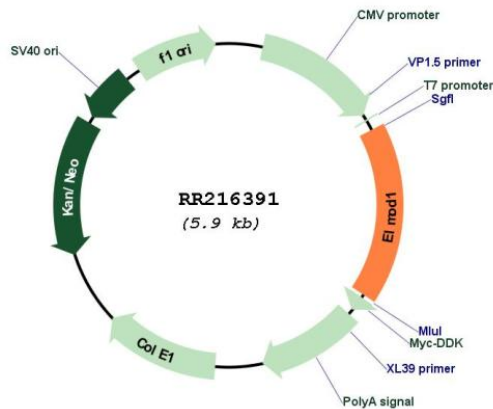
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191579

ORF Size: 1002 bp

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|-------------------------------|---|
| 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_001191579.1 , NP_001178508.1 |
| RefSeq Size: | 2471 bp |
| RefSeq ORF: | 1005 bp |
| Locus ID: | 315670 |
| Cytogenetics: | 8q24 |
| MW: | 39.1 kDa |