

Product datasheet for **MR217037**

Ppp1r15b (NM_133819) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp1r15b (NM_133819) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppp1r15b
Synonyms:	1810033K10Rik; AI606441; C530022L24Rik; CReP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR217037 representing NM_133819
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGGAGACAGGAACGCACAGGGCCCGAAGCGGCCTGGCCCTCGGCTGGGCTCCTGGTCCGGCTGCCCT
 TCCTTCGGCGATCGCACGCCTGCTCTTCGGAGTCCCGCCGCTTCTCTCGACAAAATCCCGGAACTC
 CGCTCTGCCCGAGCGTCGGACCAGTACTGGACAAAATTGCTTTCTCAGCTCCTTGCCCTGCTCCCTAGC
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 TCTGAGTCACTGCGGCTGGACTCTTCGGAAGACTTGGTTGTGAGTCTCTTGATTGGCTAGAGGAGGGA
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Protein Sequence: >MR217037 representing NM_133819
Red=Cloning site Green=Tags(s)

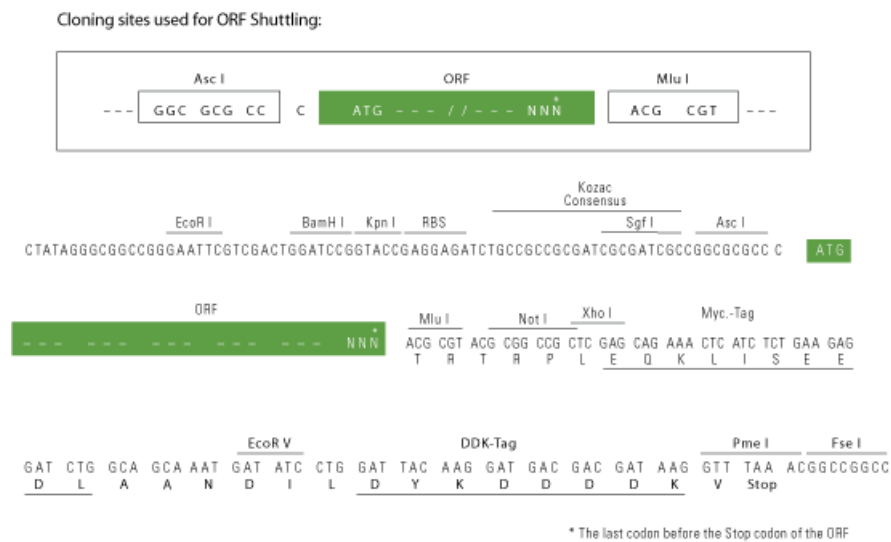
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 EKKEPELVIQEVSQSPQGSFLFCELPVEKECEDHTNATDLSDRGESLPVSTRPVCNKLIDYILGGAPSD
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 PSDSGTWSGSCGVGSCQEGPLPETPDHSSGEEDDWEPSADEAENLKLWNSFCHSEDPYNLLNFKAPFQP
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 TEYYISGDEDRKGPWEEFARDGCRFQKRIQETEVAIGYCLAFEHREKMFNRLRIESKDLLLSNVKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9097_e02.zip

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: NM_133819

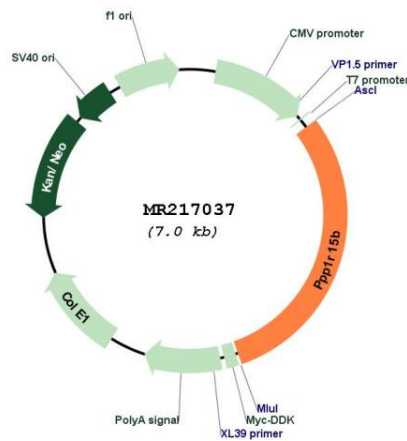
ORF Size: 2091 bp

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:	<u>NM_133819.3, NP_598580.1</u>
RefSeq Size:	5588 bp
RefSeq ORF:	2094 bp
Locus ID:	108954
UniProt ID:	<u>Q8BFW3</u>
Cytogenetics:	1 E4
MW:	77.7 kDa
Gene Summary:	Maintains low levels of EIF2S1 phosphorylation in unstressed cells by promoting its dephosphorylation by PP1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217037