

Product datasheet for **MC210840**

Prrt2 (NM_001102563) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prrt2 (NM_001102563) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prrt2
Synonyms:	1500031119Rik; AI195361; DSPB3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210840 representing NM_001102563 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCAGCAGCTCTCAGGTCTCTGAGATGAAGGGGGTGAAGACAGTTCCAAAACCCAGACAGAAG
GTCCCAGGCATTCTGAAGAAGGACTAGGTCCTGTCCAGTTGTAGCAGAGATCCCAGACCAGCCAGAGGC
CCTTCAGCCGGGCCAGGCATCACTGCAGCCCCTGTGGACTCAGGGCCTAAGGCAGAGCTGGCACCAGAA
ACCACAGAGACCCAGTTGAAACCCAGAAACAGTCCAGGCCACAGACCTCAGTTTAAACCCAGAAGAAG
GCTCCAAGGCCAGCCCCAGCCCCAGCCCCAGCGAGGCACGCCAAGAGCCAGCATCCAACCAGATGTGAA
CAGAGAGACTGCAGCAGAGGAAGGGTCTGAGCCGAGTCTACAGCCCCTCCTGAGCCAACCTCGGAGCCT
GCTTTTCAGATAAACACCCAGTCAGACCCTCAGCCAACCTCCAGCCTCCTCCTAAACCCCCCTTCAGG
CAGAGCCCCCACCAAGAGGACCTACCACAGAGGTCCTGACAGAAAGTACAGGGGAAAAACAAGAAAA
CGGAGCAGTGGTTCCTTCAGGCTGGTGACGGGGAAGAGGGCCAGCCCCCAACCTCACTCACCACCC
TCAACTAAAACACCCAGCCAATGGGGTCCCCCGTGTGTGCTGCAGAACTCGTTGAGGAAGACAGAA
TAGGAAGGGCACACGGTGGGCATCCAGGATCTCCTCGAGGTAGCCTAAGCCGTATCCCAGCTCCAGCT
GGCAGGGCCTGGGGTGAAGGGGGCAAGGCACCCAGAAACCTCGGGACTATATCATCCTTGCCATCCTG
TCCTGCTTCTGCCCATGTGCCCTGTCAACATTGTGCCCTTCGTTATGCCGTATGTCGGGAACAGCC
TGCAACAGGGGGACGTGGATGGGGCTCAACGTCTGGGCCGAGTAGCCAAGCTCTTAAGCATCGTGGCGCT
GGTTGGGGGGTCTCATCATCATCGCCTCCTGCGTCATCAACTAGGCGTGTATAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1652_e04.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001102563
Insert Size:	1041 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_001102563.1 , NP_001096033.1
RefSeq Size:	2510 bp
RefSeq ORF:	1041 bp
Locus ID:	69017
UniProt ID:	E9PUL5
Cytogenetics:	7 F3
Gene Summary:	<p>As a component of the outer core of AMPAR complex, may be involved in synaptic transmission in the central nervous system. In hippocampal neurons, in presynaptic terminals, plays an important role in the final steps of neurotransmitter release, possibly by regulating Ca(2+)-sensing (PubMed:27052163). In the cerebellum, may inhibit SNARE complex formation and downregulate short-term facilitation (PubMed:29056747).[UniProtKB/Swiss-Prot Function]</p>