

Product datasheet for **SC122989**

PRRT1 (NM_030651) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRRT1 (NM_030651) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRRT1
Synonyms:	C6orf31; DSPD1; IFITMD7; NG5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_030651 edited
 ATCTGACTCTGTGGAGCCTGGGACTGGTTTCAGCGAGAGCCTCTGTACTGCTCTGTAGTC
 TCTGCTAGGACATGGACGAAAAGGGACGCAGCCGGGAGAGCGACTGCCCCAGTCCCACCC
 GCCTCGCTGGTCTAGCCTCCGTGTTTCCATGACAACTCCAAAGGAGCCAACTGGGGG
 CTTGAATGCCGGGCACCCAGACTCCAGCACCCGGCCGAGGACCCCACTCCGGCTGCAGGG
 ACCCTGTCCCAGCGAGACCCGAGGCATGTCATCCGAAAAGTCAGGAGACTCGCTTCGAGG
 GCCCACTTCCCCCGCCGCGCCGCTGCCGCGCCCGCCCGCCCGCCGCGCCGAGCCGAGA
 CTGCCCCAGGCCCTGGCTTCGTGGTGCCACGCACGCGGGGACTGTGGGCACGCTGCCGC
 TGGGGGGCTACGTAGCGCCCGGATACCCCTGCAGCTGCAGCCTTGCAGTCTTACGTGC
 CGGTCTACCCGGTGGGCACGCCATATGCAGGCGGGACCCCGGGGGAACAGGAGTGACCT
 CCACTCTCCCCCGCCGCCAGGGCCAGGGCTGGCCCTACTGGAGCCGAGGCGCCCGC
 CACACGACTACATGCCCATCGCGGTGCTGACCACCATCTGTTGCTTCTGGCCTACTGGCA
 TCATTGCCATCTCAAGGCCGTGCAGGTGCGCACGGCCTTGGCCCGGGAGACATGGTGT
 CGGCCGAGATCGTTTACGCGAGGCCCGAACTTCTCCTTTCATCTCCTTGGCCGTGGGCA
 TCGCGGCCATGGTCTCTGTACCATCCTACCGTAGTCATCATCATCGCCGCGCAGCACC
 ACGAGAATACTGGGATCCCTAAAAACGCCCTGGTCCGCCCCACTCTGCGCCCTCGA
 TCTCCCAGGCTCTTTCTGCAGTCATACCCGCGACCCAATGGGCGCCCTGCACACCCGTTT
 CTGGGGCCGTGAGACTTGGATACATCGTAACTCCGCCTCCACGGAACGTCTCGCCTTGC
 GAGCAAGCTCGGAATCCAGTTTCTCAGGAACCCCTCCAAAACCCACACCCCAAGGACGC
 CGCTTTCGGGATCCCGGCCAACCGCCGACCCCTCAGTCGCTCCAGGCCCCCTCACCCCTC
 AAAGTGTAGCGCCCCAACCGAGCAACCTCGGTTTGGTCCCTAAAACCCCGCCTCCTCTA
 TAAGCACCGCCCCAGCTCTGACAAAACCCCGCCTCCAGGTGCGCAGGCTCCGCTTCTTT
 TCTTCTCCGCGGGGTGATTCAAGTCCAGTATTGGGTTTGTGGCTCCAGGCCTCGCCACA
 GACGGACAGACCCCTCCCTTTCTCCGGCAAAGGACCGAGCCCTGGGGTAGTAAGGCC
 CCACACTCTGTTTTTTGCAAGTACATTTTTGTCCCTCCTCCACCAGGTATCTGCCTAT
 TTTCTGTAAATCCAGAACCTTCTTTTTGCTTTTTTAAGGACATTTGGGAAGTTCT
 GGTGTAGGACCTTCTCCTGGGATAAGAACTGCCTGTAAACGCTCTGTAAATACTCC
 CTTCCACCATCCAGCCCTGGGCAGCCGGGAGAGGGAATCCAGGCTATGGACTCC
 CAAGTCCCGCTCCCGCTCCCTCGGCGGCCCGCCTTGTCTGATCTGTGTGAGTG
 TGTGTAACTTCTGAAAGACAATATTAAGAGACTTAGTTGATTTAAAAAAAAAAAAAAAA
 AAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_030651 unedited
 GGGTTCGATTTGTATACGACTCATATAGGGCGGCCGATTCCCGGGATATCGTCGACC
 CACGCGTCCGATCTGACTCTGTGGAGCCTGGGACTGGTTTCAGCGAGAGCCTCTGTACTG
 CTCTGTAGTCTCTGTAGGACATGGACGAAAAGGGACGCAGCCGGGAGAGCGACTGCCCC
 AGTCCCACCCGCTCGCCTGGTCTAGCCTCCGTGTTTCCATGACAACTCCAAAGGAGCCC
 AAAGTGGGGCTTGAATGCCGGGCACCCAGACTCCAGCACCGGCCGAGGACCCCACTCC
 GGCTGCAGGGACCTGTCCAGCGAGACCCGAGGCATGTCATCCGAAAAGTCAGGAGACT
 CGCTTCGAGGGCCCACTTCCCCCGCCGCGCCGCTGCCGCCGCCCGCCCGCCGCGG
 CCAGCCCAGACTGCCAGGCCCTGGCTTCGTGGTGCCACGCACGCGGGGACTGTGGGC
 ACGCTGCCGCTGGGGGGCTACGTAGCGCCCGGATACCCCTGCAGCTGCAGCCTTGCAGT
 GCTTACGTGCCGGTCTACCCGGTGGGCACGCCATATGCAGGCGGGACCCCGGGGGAACA
 GGAGTGACTCCACTCTCCCCCGCCGCCAGGGCCAGGGCTGGCCCTACTGGAGCCG
 AGGCGCCCGCCACAGACTACATGCCCATCGCGGTGCTGACCACCATCTGTTGCTTCTGG
 CCTACTGGCATATTGCCATCTCAAGGCCGTGCANGTGCACGGNCTTGGCCCGCGN
 AGACATGGTGGTCGCCGAGATCGTTTACGCGAGGCCCGACTTCTCCTCATCTNCTG
 GCCGTGGGCATCGCGCCATGGTCTGTACCATCCTNACCCGTATCATCATCTATGGC
 GCGCCAGCACCCGAGAATACT

Restriction Sites: Please inquire
ACCN: NM_030651

Insert Size:	1745 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_030651.2 , NP_085154.2
RefSeq Size:	1895 bp
RefSeq ORF:	921 bp
Locus ID:	80863
UniProt ID:	Q99946
Cytogenetics:	6p21.32
Protein Families:	Transmembrane
Gene Summary:	Required to maintain a pool of extrasynaptic AMPA-regulated glutamate receptors (AMPA) which is necessary for synapse development and function. Regulates basal AMPAR function and synaptic transmission during development but is dispensable at mature hippocampal synapses. Plays a role in regulating basal phosphorylation levels of glutamate receptor GRIA1 and promotes GRIA1 and GRIA2 cell surface expression.[UniProtKB/Swiss-Prot Function]