

Product datasheet for SC125939

PRR7 (BC004261) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRR7 (BC004261) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRR7
Synonyms:	MGC10772; proline rich 7 (synaptic)
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC004261 edited
 GCCCAGCGCTCGGAGCCGCTTTTCGCTGCCACTGTCTGCTCCCCGGGCGCCGCCGCTC
 CCCCCGAGGCCCGGGGCTGTGTCGCTGGGCCGCGCTGCTCGCCCCGAGCCAGGAGAA
 CGAGCTCGAGGAGGATGCCTGGGCCGTCCCGCGCGGCCCGGGTGAGGCACGCCCGCG
 GCCCGCCGGCGCCATGGGAAGGAGCGGGCGCCGCTGCTGTCCCCGCGCGCGCCACG
 ACTTGAGACTGCCACGGGCAGCCCCGCGCGGGTCCCCGAGTGACGCTGGCGGCACC
 TGAGAGTGTGGCGGGGCCCGGGCCACGCAGCGGAGCCAGTGTCCAGTGAAGCGTCTG
 AGGACCCGCCCGCTGCCGCCCATGGTGTGTCCAGGGCACCTACACGTTCTCAC
 GTGCTTCGCCGGCTTCTGGCTCATCTGGGTCTCATCGTCTGCTGCTTCTGCAG
 CTTCTGCGCCCGCTCAAACGGCGCCAGGAGGAGCGACTGCGCGAGCAGAACCTGCG
 CGCCCTAGAGCTGGAGCCCTCGAACTCGAGGGCAGTCTGGCCGGGAGCCCCCGGGCT
 GCGCCCGCCGAGCCACCACACCGTAGCCGCTGGAGGCGCCGGCTCACGCGCACGC
 GCACCCACACCCGACCCACACGCGCTCCCGCACCCGCGCTACGCACCTGTGGTGC
 GCCACGGCCCTGGAGTACCCGCGCCAAGCGGAATCGACATGTCCAAACCACCGTGTA
 CGAAGAGGCGGTGCTGATGGCAGAGCCGCGCCGCTATAGCGAGGTGCTCACGGACAC
 GCGCGGCTCTACCGAAGATCGTCACGCCCTTCTGAGTCGCGCGACAGCGCGGAGAA
 GCAGGAGCAGCCGCTCCAGCTACAAGCCGCTTCTTGGACCGGGGCTACACCTCGGC
 GCTGCACCTGCCAGCGCCCTCGGCCCGCGCCGCTGCCAGCCCTCTGCCTGCAGGC
 CGACCGTGGCCGCGGGTCTTCCCAGCTGGACCGACTCAGAGCTCAGCAGCCCGGAGCC
 CCTGGAGCACGGAGCTTGGCGTCTGCCGCTCTCCATCCCCTTGTTCGGGAGGACTACAGC
 CGTATAGAGGGGCGCCCGCGCCCGGGCCCCACCGCGGACTCCTGGCCTGACTGCGGG
 GCTTTTTAAATGCTTCCCTGGACTGCGGGGAGGGGCGGGGGAGGGAGGGATTTCTTATC
 CCGTTTGTACATTTTGGAGATAATAAAGGTGTGTGATCTGGTTTGGTAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC004261 unedited NAGGTCAAACATTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGGCCAGC GCTCGGAGCCGCTTTTCGCTGCCACTGTCTGCTCCCCGGGCCGCCCGCCTCCCCCGC AGGCCCGGGGCTGTCCGCTGGGCCCGCGCTGCTCGCCCCGAGCCAGGAGAACGAGCTC GAGGAGGATGCCTGGGCCCGTCCCGCGCGGCCCGGGTGAGGCACGCCCGCGGCCCGCC GGCGCCATGGGAAGGAGCGGGCGCCGCTGTGTCCCCCGCGCGCGCAGACTTGAG ACCTGCCACGGGCAGCCCCCGCGCGGGTCCCCGAGTGACCTGGCGGCACCTGAGAGT GTGGCGCGGGCCCGGGCCACGCAGCGGAGCCAGTGTCCAGTGAAGCGTCTGAGGACCC GCCGCCGTGCCCGCCATGGTGATGTCCAGGGCACCTACACGTTCTCACGTGCTTC GCCGGTCTGGCTCATCTGGGTCTCATCGTCCTGCTCTGCTGTTCTGCAGTTCTCTG CGCCGCCCTCAAACGGCGCCAGGAGGAGCGACTGCGCGAGCAGAACCTGCGCGCCCTA GAGCTGGAGCCCCCTGAACTCGAGGGCAGTCTGGCCGGGAGCCCCCGGGCTGGCGCC CCGCAGCCACCACACCGTAGCCGCTGGAGGCGCCGCTCACGCGACGCGCACCCA CACCCGCACCACCACGCGCTCCCGACCCGCGCTACGCACCTGTCGGTGCCGCCACGG CCCTGGAGCTACCGCGCAAGCGGAATCGGACATGTCCAAACCACCGTGTACNAANAG GCNGTGCTGATGGCAGAGCCGCCCGCCTATAGCGAGGTGCTACGGACACGCGCGGCC TCTACGCAAGATCGTCACGCCCTTCTGATTGCCGCGACAGCGCCGT
Restriction Sites:	Please inquire
ACCN:	BC004261
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:	<u>BC004261.1</u> , <u>AAH04261.1</u>
RefSeq Size:	1351 bp
RefSeq ORF:	759 bp
Locus ID:	80758
Cytogenetics:	5q35.3
Protein Families:	Transmembrane

Gene Summary:

Acts as a synapse-to-nucleus messenger to promote NMDA receptor-mediated excitotoxicity in neurons in a JUN-dependent manner (By similarity). Inhibits ubiquitination-mediated degradation and promotes phosphorylation and transcriptional activity of transcription factor JUN (PubMed:27458189). Might play a redundant role in the regulation of T cell receptor signaling (PubMed:21460222). Might promote apoptosis in T cells (PubMed:21460222). [UniProtKB/Swiss-Prot Function]