

## Product datasheet for SC126144

### PRR7 (NM\_030567) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRR7 (NM_030567) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRR7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_030567 edited

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GGGGGCGCGCCCCGCGCTCCAGCCCAGCGCTCGGAGCCGCTTTCGCTGCCACTGTCT
GCTCCCCCGGGCCGCGCCGCTCCCCCGCAGGCCCGGGCTCTGTCCGCTGGGCCCGC
GCTGCTCGCCCCGGCCAGGAGAACGAGCTCGAGGAGGATGCCTGGGCCCGGTGCAAGGT
TCCCCCTCTACCCGCGAGCTGTGGAGAGGAGGAAGCGGAAGTACGAGATGCCCATCTGGAG
TGAGTGCAGGACCAGGTCCCGCGCGGCCCGGGTGAGGCACGCCCGCGCGCCCGCCGGCG
CCATGGGAAGGAGCGGGCGCCGCTGTGTCCCCCGCGCGCGCGCACGACTTGAGACCT
GCCACGGGCAGCCCCGGCCGCGGGTCCCCGAGTGACGCTGGCGGCACCTGAGAGTGTGG
CGCGGGCCCGGGCCACGCAGCGGAGCCAGTGTCCAGTGAAGCGTCTGAGGACCCGCCG
CCCGTGCCCGCCCATGGTGATGTCCCAGGGCACCTACACGTTCTCACGTGCTTCGCCG
GCTTCTGGCTCATCTGGGTCTCATCGTCTGCTGCTGCTTTCGAGCTTCTCGGCC
GCCGCTCAAACGCGCCAGGAGGAGCGACTGCGCGAGCAGAACCTGCGCGCCCTAGAGC
TGGAGCCCTCGAACTCGAGGGCAGTCTGGCCGGGAGTCCCCGGGCTGGCGCCCGCG
AGCCACCACACACCGTAGCCGCTGGAGGCGCCGGTACGCGCACTCGCATCCGACG
TGCACGTGCACCCGCTGCTGCACCAGGGCCCGCGCAGCCGACGCGCACGCGCACCCAC
ACCCGACACACCGCTCCCGCACCCCGCCCTACGCACCTGTGGTGGCCGACGGC
CCTGGAGTACCCGCGCAAGCGGAATCGGACATGTCAAACCACCGTGTACGAAGAGG
CGGTGCTGATGGCAGAGCCGCGCCGCTATAGCGAGGTGCTCACGGACGCGCGGCC
TCTACCGCAAGATCGTACGCCCTTCTGAGTCCCGCGACAGCGCGGAGAAGCAGGAGC
AGCCGCTCCAGCTACAAGCCGCTTCTGAGCCGGGCTACACCTCGCGCTGCACC
TGCCAGCGCCCCCTGGCCCGCGCCGCTGCCAGCCCTTGCCTGCAGGCCGACCGTG
GCCCGCGGTCTTCCCCAGCTGGACCGACTCAGAGCTCAGCAGCCGCGAGCCCTGGAGC
ACGGAGCTTGGCGTGTGCCGCTCCATCCCCTTGTTCGGGAGGACTACAGCCGATAGA
GGGGCGCCCGCGCCCCGGGCCACCGCGGACTCCTGGCTGACTGCGGGGCTTTTTA
AATGCTTCCCTGGACTGCGGGGAGGGCGGGGGAGGGAGGGATTTCTTATCCCGTTTGT
TACATTTTGAGGATAATAAAGGTGTGTGATCTGGTTTGGTGAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAA

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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_030567 unedited AGTTTCGATTTTGTAAATACGACTCACTATAGGNNCGGCCGCAATTCGGCCATTACGG CCGGGGGCGCGCCCGCCGCGCTCCAGCCAGCGCTCGGAGCCGCTTTCGCTGCCACTGT CTGCTCCCCGGGCGCCCGCCGCTCCCCCGCAGGCCCGGGCTCTGTCCGCTGGGCC GCGCTGCTCGCCCGGCCAGGAGAACGAGCTCGAGGAGGATGCCTGGGCCCGGTGAAG GTTCCCCTCTCACCCGAGCTGTGGAGAGGAGGAAGCGAACTAGAGATGCCCATCTGG AGTGAGTGCAGGACCAGTCCCGCGCGCCCGGTGAGGCAGCCCGCGCCCGCCCGCG CGCCATGGGAAGGAGCGGGCGCCGCTGCTGTCCCCCGCGCGCGCAGCACTTGAGAC CTGCCACGGGACGCCCGCGCGGGTCCCCAGTGACGCTGGCGGCACCTGAGAGTGT GGCGCGGGCCCGGGCCACGCAGCGGAGCCAGTGTCCAGTGAAGCGTCTGAGGACCCGC CGCCCGTCCCGCCCATGGTATGTCCAGGGCACCTACACGTTCTCACGTGCTTCGC CGGCTTCTGGCTCATCTGGNGTCTCATCGTCTGCTCTGCTGCTTCTGCAGCTTCTCGC CCGCCCTCAACGGCGCCAGGAGGAGCGACTGCGCGAGCAGAACCTGCGCGCCCTAGAG CTGGAGCCCTCGAACTCGAGGGCAGTCTGGCCGGGAGCCCCCGGGCTGGCGCCGCC CAGCCACCACACCGTAGCCGCTGGAGGCGCCGGCTCACGCGCACTCGCATCCGCAC GTGCACGTGCACCCGCTGCTGCACCACGGGGCCNGCAGNCGNACGCGCACGCGCACAA ACCCGNACAACAAGCGCTTCCGAACCGGCGNCTAGCACCTGGTCTGTCGCCG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_030567
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_030567.2</a> , <a href="#">NP_085044.2</a>
<b>RefSeq Size:</b>	1510 bp
<b>RefSeq ORF:</b>	825 bp
<b>Locus ID:</b>	80758
<b>UniProt ID:</b>	<a href="#">Q8TB68</a>
<b>Cytogenetics:</b>	5q35.3
<b>Protein Families:</b>	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]

Transcript Variant: This variant (1) represents the longest transcript. All variants (1-3) encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.