

Product datasheet for **SC108479**

PPP1R7 (NM_002712) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R7 (NM_002712) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R7
Synonyms:	SDS22
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108479 sequence for NM_002712 edited (data generated by NextGen Sequencing)

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ATGGCGCGGAACGCGGGCAGCAACAGTCGCAGGAGATGATGGAGTTGACAGG
CGGGTCGAGTCTGAAGAATCCGGCGATGAAGAAGGAAGAAACACAGCAGTGGCATCGTG
GCCGACCTCAGTGAACAGAGCCTGAAGGATGGGAGGAGCGGGGGAGGAGGACCCAGAA
GAAGAACATGAGCTGCCTGTGGACATGGAAACCATCAACCTGGACAGAGATGCAGAGGAT
GTTGATTTGAATCACTATCGCATAGGGAAGATTGAAGATTTGAGGTAAGAAAGTG
AAGACTCTCTGCCTCCGCCAAAATTTAATTAATGCATTGAGAATCTGGAGGAGCTACAG
AGTCTTCGAGAGCTGGATCTTTACGACAACCAGATCAAGAAGATTGAGAATCTGGAGGCG
CTAACAGAGCTGGAGATTCTAGATATTTCTTTAATCTGCTGAGAAACATCGAAGGGTT
GACAAGTTGACACGACTGAAAAACTCTTCTTGGTCAACAATAAAATCAGTAAAATTGAG
AACTTAAGCAACTTACATCAACTACAGATGCTAGAGCTGGGATCTAACCGCATCCGGGCA
ATCGAAAATATCGACACCTTAACCAACCTGGAGAGTTGTTTTGGGAAAAACAAAATT
ACTAAACTTCAGAACCTGGATGCGCTCACCAACCTGACAGTCCTCAGTATGCAGAGCAAC
CGGCTGACCAAGATCGAGGGTCTGCAGAACCTGGTGAACCTGCGGGAGCTGTACCTTAGC
CACAAATGGCATCGAGGTCATCGAGGGCCTGGAGAACAAATAACAACTCACGATGTTGGAC
ATTGCATCAAATAGAATCAAAAAGATTGAAAATATCAGCCATCTAACAGAGCTGCAAGAG
TTCTGGATGAACGACAATCTCCTTGAGAGCTGGAGCGACCTCGACGAGCTGAAGGGAGCC
AGGAGCCTGGAGACAGTGTACCTGGAGCGGAACCCCTTGCAGAAGGACCCCCAGTACCGG
CGGAAGGTCATGCTCGCCCTCCCCTCCGTCGCGCAGATCGATGCCACGTTTCGTGAGTTT
TGA

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Clone variation with respect to NM_002712.1



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002712 unedited</p> <p>TGTCACAATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGGAGCAGCCA ACATGGCGGGCGGAACGCGGCGCGGGGCAGCAACAGTCGCAGGAGATGATGGAGGTTGACA GGCGGGTTCGAGTCTGAAGAATCCGGCGATGAAGAAGGGAAGAAACACAGCAGTGGCATCG TGGCCGACCTCAGTGAACAGAGCCTGAAGGATGGGGAGGAGCGGGGGGAGGAGGCCAG AAGAAGAACATGAGCTGCCTGTGGACATGGAACCATCAACCTGGACAGAGATGCAGAGG ATGTTGATTTGAATCACTATCGCATAGGGAAGATTGAAGGATTTGAGGTACTGAAGAAAG TGAAGACTCTCTGCCTCCGCCAAAATTTAATTAATGCATTGAGAATCTGGAGGAGCTAC AGAGTCTTCGAGAGCTGGATCTTTACGACAACCAGATCAAGAAGATTGAGAATCTGGAGG CGCTAACAGAGCTGGAGATTCTAGATATTTCTTTTAATCTGCTGAGAAACATCGAAGGGG TTGACAAGTTGACACGACTGAAAAAATCTTCTTGGTCAACAATAAAATCAGTAAATTTG AGAACTTAAGCAACTTACATCAACTACAGATGCTAGAGCTGGGATCTAACCGCATCCGGG CAATCGAAAATATCGACACCTTAACCAACCTGGAGAGTTGTTTTTGGGAAAAACAAAA TTACTAAACTTCAGAACCTGGATGCGCTACCAACCTGACAGTCTCAGTATGCAGAGCA ACCGGCTGACCAAGATCCGAGGCTGCAGAACCTGGTGAACCTGCCGGAGCTGTACCTTA GCCACAATGGCATCCGAGTCATCGAGGGCTGNAGAACATTACAAACTCACGATGTGGNA CATTGCATCAAAAAGAC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002712 unedited</p> <p>ACCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGGACAGTGTGGCAAGATT TAATTGCAACGGCATCTGAAAATGGTGTGTGGCGTCGCGCGCCAGCTATCGTCAGTGC CTTTATTGCCATTGGGTTTGTGACTGTTGATATAGTGACGACCTCAGGAGCAACAGGTGG GTTAAAAACCCGTGGCTGGGCAGTCTTCCGAGGAGAGGGACCACATGAGGAGCCAAGAA GGACTCAGAACCTGACGAACGTGGCATCGATCTGCCGCACGAGGGGAGGGCGAGCATGA CCTTCCGCCGGTACTGGGGGTCCTTCTGCAAGGGGTTCCGCTCCAGGTACTGTCTCCA GGCTCCTGGCTCCCTTACGCTCGTCGAGGTCGCTCCAGCTCTCAAGGAGATTGTCGTTCA TCCAGAACTCTTGAGCTCTGTTAGATGGCTGATATTTTCAATCTTTTTGATTCTATTTG ATGCAATGTCCAACATCGTGAGTTTGTATTGTTCTCCAGGCCCTCGATGACCTCGATGC CATTGTGGCTAAAGTACAGTCCCGCAGGTTACCAGGTTCTGCAGACCTCGATCTTGG TCAGCCGGTTGCTCTGCATACTGAGGACTGTACGTTGGTGACCCCATCCAGGTTCTGAA GTTTAGTAACTTTGTTTTCTCCAAAAACAACCTCCAGGTTGGGAAAGGTGCGAATTTTT TCATTGCCCGGAGCTCGTAAACTCCACCCTCACACTCGTAACGACGTGAGTTGTTTCAT TCTCAATTCTCCTTGCTCTATGTGCACCAATAACAATTCTTTCATTCTACATACTTTTCAC CCTTCTAATGTTTTTCTCCTATTAAGACTATCTCAAACCTCCACTTTGTTTTCTCCAT TTTCACCTCTCCCCGTGTGCCATAAA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002712
Insert Size:	1360 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_002712.1 , NP_002703.1
RefSeq Size:	1299 bp
RefSeq ORF:	1083 bp
Locus ID:	5510
UniProt ID:	Q15435
Cytogenetics:	2q37.3
Domains:	LRR, LRR_TYP, LRRcap, LRR_SD22
Protein Families:	Druggable Genome, Phosphatase
Gene Summary:	<p>This gene encodes a protein subunit that regulates the activity of the serine/threonine phosphatase, protein phosphatase-1. The encoded protein is required for completion of the mitotic cycle and for targeting protein phosphatase-1 to mitotic kinetochores. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1, also known as sds22alpha1). 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.</p>