

## Product datasheet for **SC322184**

### 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:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for SC322184  
GAGCAGCCAACATGGCGCGGAACGCGCGGGCAGCAACAGTCGAGGAGATGATGG  
AGGTTGACAGGCGGGTCGAGTCTGAAGAATCCGGCGATGAAGAAGGAAGAAACACAGCA  
GTGGCATCGTGGCCGACCTCAGTGAACAGAGCCTGAAGGATGGGAGAGCGGGGGAGG  
AGGACCCAGAAGAAGAACATGAGCTGCCTGTGGACATGGAACCATCAACCTGGACAGAG  
ATGACAGAGGATGTTGATTTGAATCACTATCGCATAGGGAAGATTGAAGGATTTGAGGTAC  
TGAAGAAAGTGAAGACTCTCTGCCTCCGCCAAAATTTAATTAATGCATTGAGAACTGG  
AGGAGCTACAGAGTCTTCGAGAGCTGGATCTTTACGACAACCAGATCAAGAAGATTGAGA  
ATCTGGAGGCGCTAACAGAGCTGGAGATTCTAGATATTTCTTTAATCTGCTGAGAAACA  
TCGAAGGGGTTGACAAGTTGACACGACTGAAAAAATCTCTTGGTCAACAATAAAATCA  
GTAATTTGAGAACTTAAGCAACTTACATCAACTACAGATGCTAGAGCTGGGATCTAACC  
GCATCCGGGCAATCGAAAATATCGACACCTTAACCAACCTGGAGAGTTTGTGTTTGGGGA  
AAAACAAAATTAATAAATTCAGAACCTGGATGCGCTCACCAACCTGACAGTCCTCAGTA  
TGCAGAGCAACCGGCTGACCAAGATCGAGGGTCTGCAGAACCTGGTGAACCTGCGGGGAGC  
TGTACCTTAGCCACAATGGCATCGAGGTCTCGAGGGCCTGGAGAACAATAACAACTCA  
CGATGTTGGACATTGCATCAATAGAATCAAAAAGATTGAAAATATCAGCCATCTAACAG  
AGCTGCAAGAGTTCTGGATGAACGACAATCTCCTTGAGAGCTGGAGCGACCTCGACGAGC  
TGAAGGGAGCCAGGAGCCTGGAGACAGTGTACCTGGAGCGGAACCCCTTGAGAAGGACC  
CCCAGTACCGGCGGAAGGTCTGCTCGCCCTCCCCTCCGTGCGGCAGATCGATGCCACGT  
TGCTCAGGTTCTGAGTCCTTCTTGCTCCTCATGTGGTCCCTCTCCTCGGAAGAAGTCC  
CAGCCACGGGTTTTAAACCCACCTGTTGCTCCTGAGGTCGTCATATATCAACAGTCACA  
AACCCAATGGCAATAAAGGCACTGACGATAGCTGGCGCGCTGACGCCACACACCATTTT  
CAGATGCCGTTGCAATTAATAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_002712



[View online »](#)

<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_002712.1</a> , <a href="#">NP_002703.1</a>
<b>RefSeq Size:</b>	1299 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	5510
<b>UniProt ID:</b>	<a href="#">Q15435</a>
<b>Cytogenetics:</b>	2q37.3
<b>Domains:</b>	LRR, LRR_TYP, LRRcap, LRR_SD22
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>Gene Summary:</b>	<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>