

## Product datasheet for **SC328750**

### SH2D4A (NM\_001174159) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SH2D4A (NM_001174159) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH2D4A
Synonyms:	PPP1R38; SH2A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001174159, the custom clone sequence may differ by one or more nucleotides

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ATGCTGAAACAGATACTGTCGGAGATGTACATAGATCCTGATCTACTGGCAGAGCTCAGC
GAAGAACAGAAACAGATCCTGTTCTTCAAGATGAGAGAGGAACAGATCCGACGATGGAAA
GAAAGAGAAGCAGCTATGGAAAGAAAGGAGTCCCTGCCAGTGAAACCCAGACCAAAGAAA
GAGAATGGCAAATCGGTTCAATGGAACTTGGAGCTGATAAGGAAGTCTGGGTATGGGTG
ATGGGCGAACACCATCTAGATAAACCTATGATGTGCTCTGTAATGAAATTATTGCTGAG
AGGGCCCCGGCTGAAAGCAGAACAGGAGGCAGAAGAGCCCAGAAAACTCACTCTGAAGAA
TTCACCAATAGCTTGAACAAAATCACAGTACCATGATCTGCAGGCTCCGGATAACCAG
CAGACTAAAGACATCTGGAAGAAAGTGGCAGAAAAGGAGGAAGTGGAGCAAGGATCGAGG
CCAGCACCAACCCTGGAAGAAGAGAAAAATCCGATCACTCTCCAGTTCTTCAAGAAATATT
CAACAAATGTTGGCAGATTCAATCAATCGTATGAAGGCATATGCATTTACCAGAAGAAA
GAATCTATGAAGAAAAACAAGATGAAGAAATAAATCAAATAGAAGAAGAGAGAACGAAG
CAGATTTGTAAGAGCTGGAAAGAAGACTCGGAATGGCAGGCATCTCTGCGAAAAATCCAAA
GCAGCTGATGAGAAGAGACGCTCCTTGGCTAAACAAGCACGAGAAGACTACAAGAGGTTA
TCCCTCGGGGCCAGAAAGGAAGAGGGGCTGAGAGGCTGCAAAGCCCCTTGCGTGTTCGG
CAGAAACCAGAAAGACCTCCCCTCCACCAAGCCTCAGTTCTAACTCAGGGGCATAT
CCTCAAAAACCTCTTAGAAATCAGGGAGTGGTGAGGACACTGTCCAGCTCTGCCAAAGAG
GACATCATCCGGTGGTTTAAAGAGGAGCAGCTACCACTTCGAGCGGGCTACCAGAAAACC
TCAGACCCATAGCCCCCTGGTTCCATGGAATTCTCACACTCAAGAAAGCAAATGAACCT
CTTCTGAGCACAGGCATGCCCGGAGTTTTCTCATCCGAGTCAGTGAAAGGATCAAAGGC
TATGCCCTGTCCTATCTGTGCGAGGACGGCTGTAACATTTCTCATCGATGCCTCTGCA
GACGCCTACAGCTTCTGGGCGTGGACCAGCTACAGCATGCCACCTTGGCGGATTTGGTG
GAATATCACAAGGAGGAACCCATCACTTCCCTGGGGAAGGAGCTCCTTCTATCCCTGT
GGTCAGCAGGACCAGCTGCCTGACTACCTGGAGCTGTTTGAGTGA

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Restriction Sites: Please inquire



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<b>ACCN:</b>	NM_001174159
<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>	<u>NM_001174159.1, NP_001167630.1</u>
<b>RefSeq Size:</b>	3266 bp
<b>RefSeq ORF:</b>	1365 bp
<b>Locus ID:</b>	63898
<b>UniProt ID:</b>	<u>Q9H788</u>
<b>Cytogenetics:</b>	8p21.3
<b>Gene Summary:</b>	<p>Inhibits estrogen-induced cell proliferation by competing with PLCG for binding to ESR1, blocking the effect of estrogen on PLCG and repressing estrogen-induced proliferation. May play a role in T-cell development and function.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).</p>