

## Product datasheet for SC316933

### SH2D5 (NM\_001103161) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SH2D5 (NM_001103161) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH2D5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316933 representing NM_001103161. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGAAGGCGGGGGCTGGGGCCGCAGGGCCTCTGACTGCGGGCTGGCCCTCACCGGCCAGGTGC
ATCACCAAGTTTGGCCAGTACGTGGGCTCCTCCCTGTGGATGACCTGGACACCCAGGAGAGCGTGTGG
CTGGTGCAGCAGCAGCTGTGGGCGCTGAAGGACTGTCCCCGACGCGGGCCGTCATCCTGAAATTCAGC
CTTCAGGGTCTCAAGATCTACAGCGGGGAGGGTGAGGTGCTGCTGATGGCTCATGCCCTGAGGCGCATA
CTCTACTCCACCTGGTGCCCTGCCGACTGCCAGTTTGCCTTCATGGCTCGAAACCCACGGAGCCAGCC
AGCAAGCTCTTTCGCCACCTCTTGTGGGAGCCAGCCAGGAGAGTCCAGATCCTGCACCTGCTGCTG
TGCCGCTCTTTCAGCTGGCTTACCTCTTGCAGCACCTGAGGAGCGGGACAGCCAGAGCCCTGCCCA
GGGCCCCACAGGGAGGTGCCCTGAAGCCACTGTCCAGCTCTGGGGGCTGGTGCAGGAGCCCTTCGGC
CGTGATCAGCTCTCAGAACGTCATGCCCTGGTCTCCTTTCGGCGGCTGCCAGCAGAGGGGCTGGTG
GGCAGTGGGAAGGAGCTGCCAGAGTCGGAAGCCGTCGCCGCCATGCCCGCTGGGGAATCCCTACTGC
TCGCCCCACGCTGGTGGCAAGAAGGCCATTGCGAGCAAGGTGATCCGCTCGGGGGCTACCGCGGCTGC
ACCTATGAGACCCAGCTGCAGCTGTCGGCTCGGGAGGCCCTTCTGCCGATGGGAGGCATGGCCCCGG
GGTCTGGTGGCCACTCGTGCCTGGTGGAGAGCGAGGGCAGCCTGACGGAGAACATCTGGCCCTTCCT
GGCATCTCCAGGCCCTGTGCCCTGGCCCTGTTGCGGAGAGACGTGCTGGGGCCCTCCTGCTGTGGCCT
GAGCTGGGTGCTAGCGGCCAGTGGTGTCTGTCCGTGCGCACGCAGTGCGGCGTGGTGCCCCACCAGGTC
TTCCGGAACACCTGGGCCGCTACTGCTTGAGACCTGCCGGCAGAGTCCCCAGCCTGGAGGCTCTG
GTGGAGAACCACGCGTTACTGAACGTAGCCTCTTCTGTCCCCTCGACATGGGCCGCTGAACCCACC
TACGAGGAGCAGGACTGTGGGCCCCAGGCAGGCCGCCCGGACTCTCCGGCCCCCTAGCCATGCCAAG
TCCGAGGCAGAGCTGCAGGGCCTGGGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:	□
ACCN:	NM_001103161
Insert Size:	1272 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).
OTI Annotation:	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.
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"><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>
RefSeq:	<u>NM_001103161.1</u>
RefSeq Size:	3834 bp
RefSeq ORF:	1272 bp
Locus ID:	400745
UniProt ID:	<u>Q6ZV89</u>
Cytogenetics:	1p36.12
MW:	46.8 kDa
Gene Summary:	May be involved in synaptic plasticity regulation through the control of Rac-GTP levels. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) includes an alternate exon and encodes a predicted protein isoform (1) with a longer N-terminus compared to isoform 2.