

Product datasheet for **SC327503**

SH2D2A (NM_001161444) Human Untagged Clone

Product data:

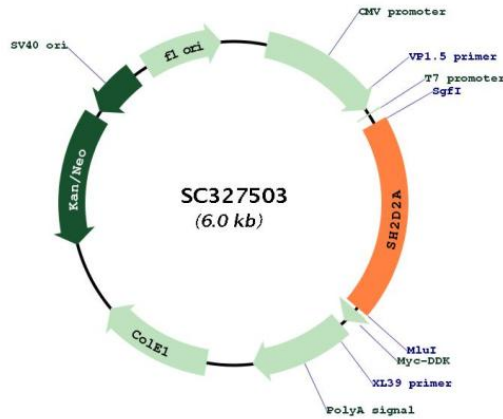
Product Type:	Expression Plasmids
Product Name:	SH2D2A (NM_001161444) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH2D2A
Synonyms:	F2771; SCAP; TSAD; VRAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327503 representing NM_001161444. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGTCCCCCTGGCCAGATATGTCCCAAGGGAGTCACGAAGCCCCATCCCAACCTCAGCACC
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AATCCTATCTACAATGAGCCTGATGAACCATAGCTTTCTATGCCATGGCCGGGGCAGCCCTGGGGAA
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TCTGTGATTGGGCAAGGCCCTCCCTGCCCCACCAGCCCCACCCGCTGGAGACACACCCCTCCCCAC
AATCTTTCTAGACAGGTGCTTCAGGACAGAGGACAGGCATGGCTTCCCCTTGGGCCTCCTCAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001161444

Insert Size: 1170 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:

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_001161444.1](#)

RefSeq Size: 1445 bp

RefSeq ORF: 1170 bp

Locus ID: 9047

UniProt ID: [Q9NP31](#)

Cytogenetics: 1q23.1

Protein Pathways: VEGF signaling pathway

MW: 42.9 kDa

Gene Summary: This gene encodes an adaptor protein thought to function in T-cell signal transduction. A related protein in mouse is responsible for the activation of lymphocyte-specific protein-tyrosine kinase and functions in downstream signaling. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]
Transcript Variant: This variant (5) differs in the 3' UTR, and coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Variants 2 and 5 encode the same isoform (2).