OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC117636

SH2D2A (NM_003975) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH2D2A (NM_003975) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH2D2A
Synonyms:	F2771; SCAP; TSAD; VRAP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC117636 sequence for NM_003975 edited (data generated by NextGen Sequencing)

ATGGAGTTCCCCCTGGCCCAGATATGTCCCCAAGGGAGTCACGAAGCCCCCATCCCAACC
TTCAGCACCTTCCAGATCACAGACATGACCCGCAGGAGCTGCCAGAACCTGGGCTACACT
GCGGCATCTCCCCAGGCCCCGGAGGCTGCCTCCAGCACAGGGAATGCTGAGAGGGCAGAG
GAGGTGCCTGGAGAAGGAAGCCTGTTCCTGCAGGCCGAGACCCGGGCTTGGTTCCAGAAG
ACCCAGGCCCACTGGCTCCTGCAGCACGGGGCAGCCCCTGCCTGGTTCCATGGCTTCATC
ACCCGGAGGGAGGCAGAGAGGCTGCTGGAGCCCAAGCCTCAGGGGTGCTACTTGGTGCGG
TTCAGCGAGAGCGCGGTGACCTTCGTGCTGACTTACAGGAGCCGGACTTGCTGCCGCCAC
TTCCTGCTGGCCCAGCTCAGGGACGGGCGCCACGTGGTGCTGGGCGAGGACAGCGCCCAC
GCGCGGCTGCAGGACCTGCTGCTGCACTACACCGCGCACCCGCTCAGCCCCTACGGGGAG
ACGCTCACCGAGCCCCTCGCCCGACAGACTCCTGAGCCTGCAGGACTTTCCCTGAGGACC
GAAGAATCAAACTTTGGAAGCAAAAGCCAGGACCCAAACCCCCAGTACAGCCCAATCATC
AAACAGGGGCAAGCCCCAGTCCCGATGCAGAAAGAGGGGGCCGGGGAGAAGGAGCCCTCC
CAGCTGCTCAGGCCCAAGCCTCCCATCCCCGCCAAACCTCAGCTGCCCCCAGAAGTCTAC
ACAATCCCTGTTCCACGACACCGCCCGGCCCCACGCCCCAAGCCCTCCAATCCTATCTAC
AATGAGCCTGATGAACCCATAGCTTTCTATGCCATGGGCCGGGGCAGCCCTGGGGAAGCC
CCCAGCAACATCTATGTGGAAGTGGAAGATGAGGGCCTACCCGCCACCCTTGGGCACCCT
GTCCTACGGAAGAGCTGGTCCAGGCCTGTCCCAGGAGGCCAGAATACAGGTGGCTCCCAG
CTGCATTCTGAGAACTCTGTGATTGGGCAAGGCCCTCCCCTGCCCCACCAGCCCCCACCC
GCCTGGAGACACACCCTCCCCCACAATCTTTCTAGACAGGTGCTTCAGGACAGAGGACAG
GCATGGCTTCCCCTTGGGCCTCCTCAGTAG

Clone variation with respect to NM_003975.3
155 a=>g

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003975 unedited
TTCAGGATTTTGTAATACGACTTCACTATAGGGCGGCCGCGAATTCGCACCAGNAGAGAT
GATGAGTTGCTGAGTGTGCACACCTTTCCGGAACACATACACACACCCTGCTCTGGGATC
CCTTGTGAGGCTGCCCTCATGGAGTTCCCCCTGGCCCAGATATGTCCCCAAGGGAGTCAC
GAAGCCCCCATCCCAACCTTCAGCACCTTCCAGATCACAGACATGACCCGCAGGAGCTGC
CAGAACCTGGGCTACACTGCGGCATCTCCCCAGGCCCCGGAGGCTGCCTCCAGCACAGGG
AATGCTGAGAGGGCAGAGGAGGTGCCTGGAGAAGGAAGCCTGTTCCTGCAGGCCGAGACC
CGGGCTTGGTTCCAGAAGACCCAGGCCCACTGGCTCCTGCAGCACGGGGCAGCCCCTGCC
TGGTTCCATGGCTTCATCACCCGGAGGGAGGCAGAGAGGCTGCTGGAGCCCAAGCCTCAG
GGGTGCTACTTGGTGCGGTTCAGCGAGAGCGCGGTGACCTTCGTGCTGACTTACAGGAGC
CGGACTTGCTGCCGCCACTTCCTGCTGGCCCAGCTCAGGGACGGGCGCCACGTGGTGCTG
GGCGAGGACAGCGCCCACGCGCGGCTGCAGGACCTGCTGCTGCACTACACCGCGCACCCG
CTCAGCCCCTACGGGGAGACGCTCACCGAGCCCCTCGCCCGACAGACTCCTGAGCCTGCA
GGACTTTCCCTGAGGACCGAAGAATCAAACTTTGGAAGCANAAGCCAGGACCCAAACCCC
CAGTACAGCCCAATCATCAAACAGGGGCAAGCCCCAGTCCCGATGCANAAAAGAGGGGCC
GGNNGAGAAGAGCCCTCCAGCTGCTCAGGCCCAAGCCTCCATCCCCGCCAAACTCAGCTG
CCCCCAGAAGTCTACACATCCCTGGTTCACGACACCGNCCGGCCCCACGCCCCAAGCCCT
NCAATNCTATCTACAATGAGCCCTGATGAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003975 unedited
NGGTCTTCTATGAACGCGCCGCATTCTANGATCGATTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTCCCTGGAGAAAAAGCAGTTGGGGATGATTTATTACCCAGACAAGAATCAAC
AAACAAGTTCTAACATCTGTTCTCACCAAACCATTCCTCAAACAACAGCAGCATTGGACC
AGGGCCCAAACTCAAAAGGCTCAAAGGGCCAAGGAAATTAGACTCCAGGAGGAAAAACCA
GGACAGTGGGAGCTAACAGGGCCCTCCTTGCACACTTCTTTGCTGTCTTAAATCACCAAG
GACTGAGCCATTGGATTCTTGGGATCTTCTTAGGAGGGAGCAGGCTCCGCATTTGCTTCT
CTGACCTCCAGGCTTCTTTGTTGGGGGTCAGGCCAGACCGCCTACTGAGGAGGCCCAAGG
GGAAGCCATGCCTGTCCTCTGTCCTGAAGCACCTGTCTAGAAAGATTGTGGGGGAGGGTG
TGTCTCCAGGCGGGTGGGGGCTGGTGGGGCAAGGGAGGGCCTTGCCCAATCACAGAGTTC
TCAGAATGCAGCTGGGAGCCACCTGTATTCTGGCCTCCTGGGACAGGCCTGGACCAGCTC
TTCCGTAAGAAGGGTGCCCAAAGGTGGCGGGTAGGCCCTCATCTTCCACTTCCACATAAA
TGTTGCTGGGGGGCTTCCCCAGGGCTGCCCCGGCCCATGGCATAAAAAGCTATGGGTTCA
TCAAGCTCATTGTAGATAGGATTGGAAGGCTTGGGGCCGGGGGCCCGGCGGTTGTTTGGA
ACAGGATTGGGTACACTTCTGGGGGCAACTGAAGGTTGGCGGGGAATGGAAGGCTTGGGC
CCGAACCAACGGAGAAGGCCCCTTA

Restriction Sites: NotI-NotI

ACCN: NM_003975

Insert Size: 1750 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:	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_003975.2, NP_003966.1
RefSeq Size:	1651 bp
RefSeq ORF:	1170 bp
Locus ID:	9047
UniProt ID:	Q9NP31
Cytogenetics:	1q23.1
Domains:	SH2
Protein Pathways:	VEGF signaling pathway
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 (2) uses an alternate in-frame splice site in the coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Variants 2 and 5 encode the same isoform (2).