

Product datasheet for **SC125856**

SH2D1B (NM_053282) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH2D1B (NM_053282) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH2D1B
Synonyms:	EAT2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_053282 edited
GTAGCTCCACAGGAGGTACAGCTGCTTACACATCTCTCCTCAGAGCTGTCCCTTGACTTG
GGGGTGAATTTACAGGCCAACAGGGCTTCTGGGATACAAGAGCGTTTCCATGGATCTGC
CTTACTACCATGGACGTCTGACCAAGCAAGACTGTGAGACCTTGCTGCTCAAGGAAGGGG
TGGATGGCAACTTTCTTTAAGAGACAGCGAGTCGATACCAGGAGTCTGTGCCTCTGTG
TCTCGTTTTAAAAATATTGTCTACACATACCGAATCTTCAGAGAGAAAACAGGGTATTACA
GGATACAGACTGCAGAAGGTTCTCCAAAACAGGCTTTTCCAAGCCTAAAGGAACCTGATCT
CCAAATTTGAAAAACCAATCAGGGGATGGTGGTTCACCTTTTAAAGCCAATAAAGAGAA
CCAGCCCCAGCTTGAGATGGAGAGGATTGAAATTAGAGTTGAAAACATTTGTGAACAGTA
ACAGCGATTATGTGGATGTCTTGCCCTAAAGATAAGGCTGCCGGACAAAGCAAGTTGAAG
AGATGAGTAACAGTTCTCACTGATGACCCACTTCTGCAGGCATAGGTCCAGAGCACCAAA
CTCTAGTGGACAATTCAGACTCTCTGTTGTGTAAGTGAAGATGTTCTGCCACCAGCA
CCAGAGGTCACCTCCACATCCCCGCCTCCAGACATATACCAGGAGCAATTTCAAACC
CTCTCCAGTTTCACTCTTCTTTTGGAAATGGGACAGCCTGAACATTTTCCCTTTGACTT
GTTAAAGTACCACCCTACATCATGGTTGACACCCTCCTTTGGACCATGCAGTCAGAGGG
GCAGCTTTATACAGAGGAGGGGCACACTGTCTGTGAGTTTGAAGCCCTGAGTTCAGTC
CTGTGGCTGTGTGACTTTGGACACGTTTCTGCCATCTCCAGGTCTTAGTTTCTTTGTCT
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TGCTGGACCCCATGTGCACCCTTCTCCCTCCAGCCTGGGCTACTCTCCTCTGGTTCTT
TCTAATCTTAACTTCTGGTGAGCATTGCCCCAGCCACACTTTCTCCCTGGTTTTGCTT
AATTCACCTTATGCATCAGTCATTTCAACAGCATGAATGTGGTTCTGTACAGTGATGTAT
GTGGAGATTTCTAAAATATTCTATGTGTGATTTCTGTTCCCAACTAGGTTCTAAGTGCCA
TCAAAGCACGGTTGGGTCTCCCTTGTATCTTCCACAGTGTGTAGAAATTTGTGCTGCCCA
GAGCTGTGCCTAGTTCATAGAACTGACTGGAAGCACATTGCTGAGGGAGGTTTGTGAA
TTGGTTTTTAAGGTTTATTGAAATTGATTTGCTGAATTTTCTGCTAGTTCAAAATGTGA
ATTAGGACCTGGTCAGTTTGAAATATACCAAATCTATGCCCTTTCTCTTACCTATCATC
AAATTGTAGTAATGTATTTCAACCCACTGGACTTATCTTCCAGAGTTTTAAAAGAGAGGAG
CTCTCGACTTAGAGGTAATGAACAGATGAACAGACACTGTGGCTGGAGCCCCAAAGTG
TGGAGCATTGTGAGATTTGGGGTACAGCAATTTATGGCTACTATCCCTGGGTCTGGTA
GGTAGGACAAATGTCCTCTTTACTTTTCAAACCTGGCTTAGGTATTCATGGACCTTGAT
TCTTCTATATACATTTTATAATAAATACGTGAAATTTGCTTAAACCTCTTTTGGAAATTT
TTAATGAACCTGCAACAAATTTGTAATAGGAGAGAAGTACGTTCTTGTGATGTTTTCC
CATGCATAAACATGCCACATCCATGTTCTTGGGTCATCTTTTTGCCCTTTCATGGAGTC
ATAAATTTTCCCAACTGAAGTCTTGATATTCTGTTAGATTAATTCCTATTTCTAGTTGC
TGTAATGATATCTTATGTTTTATTACATTTCTAATAGGATATGGTGTGGTGAATGTT
AACCTCTCATTAGATCTACTAGTTTACCTGTTGATTCTATTGTGTTTTCTATGTAATG
ATTTTGTGAGCTATAAATAAACATTTATTTTCTCTTCTCCTTGCAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_053282 unedited GGTTCGGATTTGTATACGACTTTTATAGCGGCCGCGTAATTCGCCATTACGGCCGGGG TAGCTCCACAGAGGTACAGCTGCTTACACATCTCTCCTCAGAGCTGTCCCTTGACTTGGG GGTGAATTCAGGCCAACAGGGCTTCTGGGATACAAGAGCGTTCTCCATGGATCTGCCT TACTACCATGGACGTCTGACCAAGCAAGACTGTGAGACCTTGCTGCTCAAGGAAGGGGTG GATGGCAACTTTCTTTAAGAGACAGCGAGTCGATACCAGGAGTCCTGTGCCTCTGTGTC TCGTTTTAAAAATATTGTCTACACATACCGAATCTTCAGAGAGAAACACGGGTATTACAGG ATACAGACTGCAGAAGTTCTCCAAAACAGGTCTTCCAAAGCCTAAAGGAACTGATCTCC AAATTTGAAAAACCAAATCAGGGGATGGTGTTTACCTTTTAAAGCCAATAAAGAGAACC AGCCCCAGCTTGAGATGGAGAGGATTGAAATTAGAGTTGGAAACATTTGTGAACAGTAAC AGCGATTATGTGGATGTCTTGCCTTANAGATAAGGCTGCCGGACAAAGCAAGTTGAAGAG ATGAGTAACAGTTCTCACTGATGACCCACTTCTGCAGGCATAGGTCCAGAGCACCAAAC CTAGTGGACAATTCAGACTCTCCTGGTTGTGTAAGTGAAGATGTTCTGCCACCAGCACC AGGAGTCACTCTCCACATCCCCGCCTCCAGACATATAACCAGGNAGCAATTTCAAACCC TCTCCAGTTTCACTCCTCTTTTCTGAAATGGGACAGCCTGAACATTTTTCCCTTTGACC TGTTAAAGGTACCCCCCTACTTATGGTTGACACCCCTTGTGACATGCCTTCAAAGGGC ACCTTATACAAAGGAGGGCCCACTTTTCTTTAATTTGAC
Restriction Sites:	NotI-NotI
ACCN:	NM_053282
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:	<ol style="list-style-type: none">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_053282.4 , NP_444512.2
RefSeq Size:	2553 bp
RefSeq ORF:	399 bp
Locus ID:	117157
UniProt ID:	O14796
Cytogenetics:	1q23.3
Protein Pathways:	Natural killer cell mediated cytotoxicity

Gene Summary:

By binding phosphotyrosines through its free SRC (MIM 190090) homology-2 (SH2) domain, EAT2 regulates signal transduction through receptors expressed on the surface of antigen-presenting cells (Morra et al., 2001 [PubMed 11689425]).[supplied by OMIM, Mar 2008]