

## Product datasheet for **SC126251**

### SH2D1B (BC066595) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SH2D1B (BC066595) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH2D1B
Synonyms:	EAT2; OTTHUMP00000029531; SH2 domain-containing molecule EAT2; SH2 domain containing 1B
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for BC066595 edited  
 GGTACAGCTGCTTACACATCTCTCCTCAGAGCTGTCCCTTGACTTGGGGGTGAATTTTCAG  
 GCCAACAGGGCTTCTGGGATACAAGAGCGTTCTCCATGGATCTGCCTTACTACCATGGA  
 CGTCTGACCAAGCAAGACTGTGAGACCTTGCTGCTCAAGGAAGGGGTGGATGGCAACTTT  
 CTTTTAAGAGACAGCGAGTCGATACCAGGAGTCCTGTGCCTCTGTGTCTCGTTTTAAAAAT  
 ATTGTCTACACATACCGAATCTTCAGAGAGAAAACGGGTATTACAGGATACAGAACAGT  
 AACAGCGATTATGTGGATGTCTTGCCTTGAAGATAAGGCTGCCGGACAAAGCAAGTTGAA  
 GAGATGAGTAACAGTTCTCACTGATGACCCACTTCTGCAGGCATAGGTCCAGAGACCAA  
 ACTCTAGTGGACAATTCAGACTCTCCTGTTGTGTAAGTGAAGATGTTCTGCCACCAGC  
 ACCAGAGTCACTCTCCACATCCCCGCCTCCAGACATATACCAGGAGCAATTTCAAAC  
 CCTCTCCAGTTTCACTCTTTTCTTGAATGGGACAGCCTGAACATTTTCCCTTTGACT  
 TGTAAAGGTACCACCCTACATCATGGTTGACACCCTCCTTTGGACCATGCAGTCAGAGG  
 GGCAGCTTTATACAGAGGAGGGGCACACTTGTCTGTGAGTTTGAAGCCCTGAGTCCAGT  
 CCTGTGGCTGTGACTTTGAACAGTTTCTGCCCATCTCCAGGCTTAGTTTCTTTGTC  
 TCTGTGGTTGGGTGGGATGATAAACATTGCCCCAGTCTCTCTGTTGAGCCTGCTTGTGTC  
 AGGTGAAGGTGAGGGATCGGGAGTGATGGAGATGCATACAGATCAGCACCTTCTCTGTAC  
 CTGCTGGACCCCATGTGCACCCTTCTCCCTCCAGCCTGGGCTACTCTCCCTCCTGTTTCT  
 TTCTAATCTTAAACTTCTGGTGAGCATTGCCCCAGCCACACTTTCTCCCTGGTTTTGCT  
 TAATCCACTTATGCATCAGTCATTTCAACAGCATGAATGTGGTTCTGTACAGTGATGTA  
 TGTGGAGATTTCTAAAATATTCTATGTGTGATTCTGTTCCCAACTAGGTTCTAAGTGCC  
 ATCAAAGCACGGTTGGGTCTCCCTTGTATCTCCACAGTGTGTAGAAAATTTGTGCTGCC  
 AGAGCTGTGCCTAGTTCATAGAACTGACTGGAAGCACATTGCTGAGGGAGGTTTGTGTA  
 ATTGGTTTTTAAGGTTTTATTGAAATTGATTTGCTGAATTTTTCTGCTAGTTCAAATGTG  
 AATTAGGACCTGGTCAGTTTGAATATACCAAATTCATGCCCTTCTCTTACCTATCAT  
 CAAATTGTAGTAATGATTTTACCCCACTGGACTTATCTTCAGAGTTTTAAAAGAGAGGA  
 GCTCTCGACTTAGAGTAATATGAACAGATGAACAGACTGTGGCTGGAGCCCCAAAGT  
 GTGGAGCATTGTGAGATTTGGGGTACAGCAATTTATGGCTACTTCCCTGGGTCTGGT  
 AGGTAGGACAAATGTCCTCTTTTACTTTTCAAACCTGGCTTAGGTATTTCATGGACCTTGA  
 TTCTTCTATATACATTTTATAATAAATACGTGAAATTGCAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** BC066595

**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:** [BC066595.1](#), [AAH66595.1](#)

RefSeq Size:	1712 bp
Locus ID:	117157
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]