

## Product datasheet for **SC122411**

### **HSH2D (BC025237) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HSH2D (BC025237) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSH2D
Synonyms:	adaptor in lymphocytes of unknown function X; ALX; FLJ14886; hematopoietic SH2 domain containing; hematopoietic SH2 protein; HSH2
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 BC025237 edited  
 CCAGGTGACCTTCCCTCCACCCAGGAAGCTATGACAGAGGCCGGGAAGCTGCCCCACC  
 GCTACCCACCGCTGGACTGGTTTGTGCACACCAGATGGGCCAGCTGGCCCAAGACGG  
 GGTCCCGAGTGGTTCCATGGTGAATCTCAAGAGAGGATGCTGAGAAGTCTGGGATG  
 ACAGCCACTGGGATCCTTCTCATCAGGGTCAGTACAGCCATGTGGGCTACACTCTC  
 CTACAAAGCCAAAGCAGCTGCTGCCATTCATGGTGAAGCTCTGGATGATGGGATTT  
 CATGATCCCGGGGAGAAGGTGGCCACACCTCGCTGGACGCCCTGAGGCAAGGATCC  
 GCAGAAGCCAATTGAGCCGCGCAGGGAGCTGCTGACACAGCCCTGAGGCAAGGATCC  
 CGCAAACGTGGATTACGAGGATCTCTTCTCTACTCCAACGCAGTGGCCGAGGAAGTGC  
 CTGCCCGTGTCTGCCCTGAGGAGGCCTCCCCAAAGCCAGTCTGTGTACCAATCAA  
 GGAAAGGAAGCCGTCAGCAGAGATGAACAGAATAACCACCAAGGAAGCCACTTCTCCTG  
 CCCCCAAAATCCCTCTTGGAGAGACCCGCCAGAACTCTGGAGGAGCCTCAAATGCT  
 CCCCAGAGAGGCCAGAGGGTCCGGCAGCAGCTAAAAAGCCACCTCGCCACTGTAACTT  
 GTCGCTACTCTTGGATGTCCGGAGATCCACGGTATCTCAGGCCCTGGGACCGAAAAGG  
 CAGCCAAGATCACTCAGGGGATCCACCTCGGGGACAGAGGCTACACGGATCCCTGTGT  
 GGCCACATCTCTAAAAGCCCTCACAGCCCAGGCACCAAAAAGACAGAAAGTCCCCAC  
 CAGGAAGGCCGAGAGGTCGGTCACTGACATTGAGGTGACCCAGGGGACAGGAGTTGGCA  
 CCAATGGTAGTGAGAGCCCTATCCTCCAGGAGTCCAAGCCAGAGCACCAGGGCTTGGC  
 AGAGCCTGAGAACGACCAGCTCCCGGAGGAGTACCAACAACCGCCACCCTTTGCCCTGG  
 GTACTGTAGAGAACAGGTCCACCCTGGCTCTGGGACTCGCTGCCAGGGGCTGCCACACT  
 CCTGAATGCCTTAACATTTCTTCCATGGCCCCACACCATGGCATCCGGGGTCTTCGGGA  
 ACCCGGAAATGGAATAAAGATGTTTTGGGGTCTGTTCTGCACTACCCATGGGGTGA  
 GCTGGTTATTTTAGCAACAATCATCAGAGTGACGCTGATGGTTTGGGGCACCAGTATA  
 ATCAGCCCAAGTCCAGACCTTCTATTCAATATTTTACGCCTCAGAGCAAGGCCCTCAGG  
 GAGGGTCACTCCTCATGTTTTGAAGAAGAGACTGAGGTTCAAGAGGATAAGAGGCGTGA  
 CCAAGGCCACAGAGCTATGGGTGTGAGCACCAGGATTTGAAGCCAGGTAATCCGAGCCC  
 TTTTCCCATATCATCTGTTTGTCTGTTGTCTAAAAGCACACTGCAAGCCGGGCTCAGTG  
 GCTCATGCCTGTAGTCCCAGCACTCTGTGGGGCCGAGGCAGGCAGATCGTTGAGGTGAG  
 GAGTTCGAGACCAGCCTGGCCAACATGGTGAACCCCGTCTATACTAAAAAATCAA  
 TTAACCCGACGTGGTGGCGCATGCCTGTAATCCAGCTACTTGGGAGCCTGAGGCGGGAG  
 AATTGCTTGAACCCGGGAGGCAGAGGTTGCAGTGAGCCGAGATCGCATCACTGCAGTCCA  
 GCCTGGATGACAGAGTGAGACTCCATCTCAAAAAATAAATAAATAAATAAATAAATAA  
 AAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for BC025237 unedited  
 NAAGTCAACATTTGTATACGACTCATATAGGGCGCCGGAATTCGCACGAGGAGGGCCT  
 CGGCCATCCAAGGTCTCCAGTGACCTTCCCTCCACCCAGGAAGCTATGACAGAGGCCG  
 GGAAGTGTCCCTACCGTACCCCCACGGCTGGACTGGTTTGTGCACACCAGATGGGCC  
 AGCTGGCCCAAGACGGGGTCCCGAGTGGTTCCATGGTGAATCTCAAGAGAGGATGCTG  
 AGAACTTGCTGGAGTACAGCCACTGGGATCCTTCTCATCAGGGTCAGTACAGCCATG  
 TGGGCTACACTCTCCTACAAAGCCAAAGCAGCTGCTGCCATTCATGGTGAAGTCTCT  
 TGGATGATGGGACTTTCATGATCCCGGGGAGAAGGTGGCCACACCTCGCTGGACGCC  
 TGGTCACCTTCCACCAGCAGAAGCCAATTGAGCCGCGCAGGGAGCTGCTGACACAGCCCT  
 GCAGGCAGAAGGATCCCGCAAACGTGGATTACGAGGATCTCTTCTCTACTCCAACGCAG  
 TGGCCGAGGAAGTGCCTGCCCGTGTCTGCCCTGAGGAGGCCTCCCCAAAGCCAGTCC  
 TGTGTACCAATCAAAGGAAAGGAAGCCGTCAGCAGAGATGAACAGAATAACCACCAAGG  
 AAGCCACTTCTCCTGCCCCCAAAATCCCTCTTGGAGAGACCCGCCAGAACTCTGGA  
 GGAGCCTCAAATGCTCCCGAGAGAGGCCAGAGGGTCCGGCAGCAGCTAAAAAGCCACC  
 TCGCCACTGTGAACCTGTGCTCACTCTTGGATGTCCGGAGATCCACGGTATCTCAGGCC  
 CTGGGACGGNAATGCAGCCAAAGATCACTCAGGGATCCCACTCGGGGACAGAG

**Restriction Sites:** Please inquire

<b>ACCN:</b>	BC025237
<b>Insert Size:</b>	1928 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<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>
<b>RefSeq:</b>	<a href="#">BC025237.2</a> , <a href="#">AAH25237.1</a>
<b>RefSeq Size:</b>	1903 bp
<b>Locus ID:</b>	84941
<b>Cytogenetics:</b>	19p13.11
<b>Gene Summary:</b>	T-cell activation requires 2 signals: recognition of antigen by the T-cell receptor (see TCR; MIM 186880) and a costimulatory signal provided primarily by CD28 (MIM 186760) in naive T cells. HSH2 is a target of both of these signaling pathways (Greene et al., 2003 [PubMed 12960172]).[supplied by OMIM, Mar 2008]