

## Product datasheet for **MC228721**

### Sh2d3c (NM\_001252547) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sh2d3c (NM_001252547) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sh2d3c
Synonyms:	Chat; Nsp3; Shep1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228721 representing NM\_001252547  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTGCAGTGGGCCGAAGGTGCTCTGCGCTAGAGCCCCGAAGGACTGCTGCAGAGCTGGAGGCCGCTG  
 GGGACTATGTGAAGTTCTCCAAGGAGAAGTACATTCTTGACTCCTCGCCAGAGAACTGCACAAGGAGCT  
 GGAAGAGGAAGTGAAGCTCAGCAGCACGGACTCCGTAGCCATGCCTGGTACCACGGACGCATCCCTCGT  
 GAGGTCTCTGAGACTCTGGTGCAGCGGAACGGCGACTTCCTCATCCGAGACTCACTCACCAGCCTAGGGG  
 ACTATGTGCTCACGTGCCGCTGGCACAATCAGGCCTTGCACTTCAAGATCAACAAGGTGGTGGTGAAGGC  
 CGGAGAGAGCTACACCCACATCCGGTACCTCTTCGAGCAGGAGAGCTTCGACCACGTGCCTGCCCTCGT  
 CGCTACCACGTGGGCAGCCGTAAGGCCGTGCCGAACAGAGCGGGGCTATCATCTACTGCCCTGTCAACC  
 GCACCTTCCCACTGCGCTACCTCGAGGCCAGCTATGGCCTGAGCCAGGGCAGCAGCAAGACTGCCAGCCC  
 AGCCAGCCCTCAGGCTCCAAGGGCAGCCACATGAAGAGGCGAAGCATTACCATGACTGATGGACTCACC  
 ACTGACAAGGTACCCCGCAGCGATGGCTGCCCAACAGCACCTCATTACCCCATCCTCGAGACTCCATCC  
 GAAACTGTGCCCTCAGCATGGACCAGATCCCAGATCTCCACTCACCCCTGTCTCCTATCTCCGAGAGCCC  
 CAGCTCTCCTGCCTATAGCACTGTAACCCGAGTCCATGCTCCTTCTGCCACCCCTCTACTTCAGCACAG  
 CCTGCCTCCCCAGTTGCCCGCGCTCCAGCGAACCTCAGCTATGTCTGGAAATACTCCAAGCCTCCTG  
 GGGAGTCAGACAGGGCCCTCACGAAGCCATCCCACACCTCTGCAAGGCCTCGCCATCACCATCACT  
 CAGCAGCTACAGTACCCGGACTCTGGTCACTACTGTGAGCTCCAGCCTCCGGTCCGTGGCAGCCGAGAG  
 CAGGCCCGCAGGAGACTCCCCGAAGGCTAGGGGCTCCGAGAGAGGCAAAAGGAACTGTTAGAAAATG  
 GAGTCTCTGACGGGGAGTGGGGCAAGACCTTACAGTCCCTGTAGTAGAAGCCACCTCCTTTTCAACCT  
 GGCTACCTTCCAGTCCCAGCTGATCCCCAAGGAGAACCGGCCTCTGGAGGTGGCCCTTCTGCGCAAGGTC  
 AAGGAGCTGCTGTCTGAGGTGGATGCCCGACTGGCCCGCATGTACCAAGGTTGACTGCCTGGTTG  
 CTAGGATACTGGGCGTTACCAAGGAGATGCAGACCCTAATGGGAGTCCGCTGGGGCATGGAGCTGCTCAC  
 CCTCCCCATGGCCGGCAGCTACGACTAGACCTGCTGAAAGGTTCCACACCATGTCCATCATGCTGGCA  
 GTGGATATCCTGGGCTGCACAGGCTCGGCCGAGGAGCGGGCAGCTCTGCTGCACAAGACCATACAGCTGG  
 CGGCCGAGCTGCGGGGACGATGGGCAACATGTTCACTTCGCCGCTGTCATGGGCGCCCTGGAGATGGC  
 CCAGATTTCAAGGCTGGAGCAGACATGGATGACCTGCGACAGCGACACCGAGGGTGCATTCTGTAC  
 GAGAAGAAGCTCAAGCCTTCTCAAGAGCCTGAACGAGGGCAAAGAAGGCCACCGCTGAGCAACACCA  
 CGTTTCCACACGTAATCTTCTTCACTCTGCTGGAATGTGACTCTGCCCCCGCAGGGTCTGAACC  
 TTGGGGCAGCACAGAACCGGTGTGGAGTTGTGCTAGCCACCTGGAGGCCGCCGCACTGTGGCCAC  
 CACGGGGCCTCTACCACACCAACGCTGAGGTCAAGCTGCAAGGGTTCCAAGCCGACCGGAGCTCCTGG  
 AAGTATTCAGCACAGAGTTCAGATGCGGCTCCTCTGGGGCAGCCAGGGTCCCAACAGCAGCCAGGCCTG  
 GCGCTATGAGAAGTTTGACAAAGTCTCACTGCCTTGCCACAAGCTGGAACTGCCATCCGCTCTAGC  
 GAGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001252547  
**Insert Size:** 2109 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001252547.1</a></u> , <u><a href="#">NP_001239476.1</a></u>
<b>RefSeq Size:</b>	2619 bp
<b>RefSeq ORF:</b>	2109 bp
<b>Locus ID:</b>	27387
<b>UniProt ID:</b>	<u><a href="#">Q9QZS8</a></u>
<b>Cytogenetics:</b>	2 B
<b>Gene Summary:</b>	<p>Eph receptor-binding protein which may be a positive regulator of TCR signaling. Binding to BCAR1 is required to induce membrane ruffling and promote EGF-dependent cell migration. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>