

Product datasheet for **MC222158**

Sh2d3c (NM_013781) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh2d3c (NM_013781) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sh2d3c
Synonyms:	Chat; Nsp3; Shep1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222158 representing NM_013781
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACAGAGATGCCCAAGAAAACAGGCAGAAAAGTTCAAGTTCTTCAAGTTCAAGGGCCTTGGGAGCCTTT
 CCAATCTCCCGCGTCTTTTCTCTGAGACGGTCTTCAAGCTCTGCTAGTATCCGGTCTTGTCCGGAGCC
 TGACACCTTTGAAGCCACACAGGATGACATGGTGACACTCCCAAAGAGTCTCCTGCCTATGCACGTTCT
 AGTGACATGTACAGCCACATGGGTACCATGCCCGCCCTAACATCAAGAAGGCTCAGAAAACAACAGGCTG
 TCCAGAAGGCCAGGAGGTGAGCCGAGAGTGCACCTGGTTTCTCGAAGGCTGCCAGAGCCACCAGACTT
 AGAGGCAGCCAAGGAGGCAGGGGAGGAACTGAAGCCCTACTGGAGGACACGGCACCTTCAGCAGTAGAA
 GTGGACCTATGAGGGAAGTGGAGGATCTCACAGTAGACACAGAGAAGGAGCAAGTCCCTGGGGATGTGA
 GCCCAGAAAGGACTGCTGCAGAGCTGGAGGCCGCTGGGGACTATGTGAAGTTCTCCAAGGAGAAGTACAT
 TCTTGACTCCTCGCCAGAGAACTGCACAAGGAGCTGGAAGAGGAACTGAAGCTCAGCAGCACGGACCTC
 CGTAGCCATGCCTGGTACCACGGACGCATCCCTCGTGAGGTCTCTGAGACTCTGGTGCAGCGGAACGGCG
 ACTTCCTCATCCGAGACTCACTACCAGCCTAGGGGACTATGTGCTCACGTGCCGCTGGCACAATCAGGC
 CTTGCACTTCAAGATCAACAAGGTGGTGGTGAAGGCCGGAGAGACTACACCCACATCCGGTACCTCTTC
 GAGCAGGAGAGCTTCGACCACGTGCCTGCCCTCGTGCGCTACCACGTGGGCAGCCGTAAGGCCGTGTCCG
 AACAGAGCGGGGCTATCATCTACTGCCCTGTCAACCGCACCTTCCCACTGCGCTACCTCGAGGCCAGCTA
 TGGCCTGAGCCAGGGCAGCAGCAAGACTGCCAGCCAGCCAGCCCTCAGGCTCCAAGGGCAGCCACATG
 AAGAGCGAAGCATTACCATGACTGATGGACTCACCCTGACAAGGTACCCGCAGCGATGGCTGCCCA
 ACAGCCCTCATTACCCATCCTCGAGACTCCATCCGAAACTGTGCCCTCAGCATGGACCATCCGAGA
 TCTCCACTCACCCCTGTCTCCTATCTCCGAGAGCCCCAGCTCTCCTGCCTATAGCACTGTAAACCCGAGTC
 CATGCTCCTTCTGCCACCCCTCTACTTCAGCACAGCCTGCCTCCCCAGTTGCCCGCCGCTCCAGCGAAC
 CTCAGCTATGTCTGAAATACTCCAAAGCCTCCTGGGGAGTCAAGACAGGGCCCTCACGCAAGCCCATC
 CCACACCCCTGCAAGGCCTCGCCATCACCATCACTCAGCAGCTACAGTGACCCGGACTCTGGTCACTAC
 TGTGAGCTCCAGCCTCCGGTCCGTGGCAGCCGAGAGCAGGCCGAGGAGACTCCCCGGAAGGCTAGGG
 GCTCCGGAGAGAGGCAAAGGAACTGTTAGAAAATGGAGTCTCTGACGGGGAGTGGGGCAAGACCTTAC
 AGTCCCTGTAGTAGAAGCCACCTCCTCTTCAACCTGGTACCTTCCAGTCCCAGCTGATCCCCAAGGAG
 AACCGGCCTCTGGAGGTGCCCTTCTGCGCAAGGTCAAGGAGCTGCTGTCTGAGGTGGATGCCCGGACAC
 TGGCCCGCATGTACCAAGGTTGACTGCCTGGTTGCTAGGATACTGGGGTTACCAAGGAGATGCAGAC
 CCTAATGGGAGTCCGCTGGGGCATGGAGCTGCTCACCTCCCCATGGCCGGCAGCTACGACTAGACCTG
 CTGAAAGGTTCCACACCATGTCCATCATGCTGGCAGTGGATATCCTGGGCTGCACAGGCTCGGGCGAGG
 AGCGGGCAGCTCTGCTGCACAAGACCATACAGTGGCGGCCGAGCTGCGGGGGACGATGGGAACATGTT
 CAGCTTCGCCGCTGTGATGGCGCCCTGGAGATGGCCAGATTTCAAGGCTGGAGCAGACATGGATGACC
 CTGCGACAGCGACACACGGAGGGTGCCATTCTGTACGAGAAGAAGCTCAAGCCTTTCCTCAAGAGCCTGA
 ACGAGGGCAAAGAAGGCCACCGCTGAGCAACACCACGTTTCCACACGTACTTCTTTTATTACTCTGCT
 GGAATGTGACTCTGCCCCGCCGAGGGTCTGAACTTGGGGCAGCACAGAACACGGTGTGGAGGTTGTG
 CTAGCCACCTGGAGGCCGCCGCACTGTGGCCACCACGGGGCCTCTACCACACCAACGCTGAGGTCA
 AGCTGCAAGGTTCCAAGCCGACCGGAGCTCCTGGAAGTATTACGACACAGAGTTCAGATGCGGCTCCT
 CTGGGGCAGCCAGGGTGCCAACAGCAGCCAGGCCTGGCGCTATGAGAAGTTTGACAAAGTCTCACTGCC
 TTGTCCACAAGCTGGAACCTGCCATCCGCTCTAGCGAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013781
Insert Size: 2565 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:	<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_013781.3 , NP_038809.1
RefSeq Size:	3105 bp
RefSeq ORF:	2565 bp
Locus ID:	27387
UniProt ID:	Q9QZS8
Cytogenetics:	2 B
Gene Summary:	<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 (1) encodes the longer 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>