

Product datasheet for **MR208726**

Sh2b3 (NM_008507) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh2b3 (NM_008507) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sh2b3
Synonyms:	AI429800; L; Lnk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208726 representing NM_008507
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGAGCCACCGTGCAGCCGTCCCGCACATCCTCCGACCCGCCTCGCCGGCATCCCCACGGGCT
 GGAGCGACTTCTGCGAGCAGCACGCAGCAGCGGGCCGGGAGCTGGCCCGCCAGTACTGGTTGTTTGC
 GCGCGGCACCCACAGCCGCCGCGCGGACCTGGTGTGCTGCAGTTTCGCGGAGCTCTCCAGCGCCAC
 TTCTGCCGGGAGGTGCGCGAGAGCCTCGCAGGACCCGCGGTACGACTACCGCGCCACTGCTCCGCCCC
 GCCCGCGCTGCCAAGGCACGCAGCTCCGAGGACCTGGGCCCGCGCCCGCTGTGCCCTGCAGCACCT
 GCGCCGCGGCTGCGCCAGCTCTCCGCCCGGCTCGGCAGGGGAGCTGCCCGGGGTACCAGTGACACC
 AATGACATCGACACCACCGCAGCAGCAGGCGGGCCCGCCGCAAGTTGCTACCCTGGGGCTGCGAG
 AGCCGCCACTGAGGCGCTCAAGGAGGTGATTCGCTATAGCCTGGCGGACGAGGCAGCAATGGACAG
 CGGCGCAGCTGGCAGCGGGTGCCTGGTGTTCGGTCTCCAGGTCCGGCCACAGCCACTTTCTGCAG
 CTCTTCGATCCGCCAAGAGCTCAAAGCCAAGCTCCAAGAGGCCTGTTCCAGCATCCGGGAGGTCCGAC
 CATGTACACGCCTGGAGATGCCTGACAACCTCTACACCTTTGTGTTGAAGGTGCAGGACCAGACAGACAT
 CATCTTTGAGGTGGGAGATGAACAGCAGCTGAACCTCATGGCTGGCAGAGCTCAGGGCAAGCACAGGCCTT
 GGGCTGGAGCACCCGGACACCGAGTTACCTCTTTCCTTAGCGGCAGAGCCTGGCCAGCTAGATCCCCAA
 GGGGAAGCACTGACTCCCTGGACCAAGGTGCTTACCTGGGGTGTGCTGGACCCAGCCTGCCAGAAAAC
 AGATCACTTCTATCCTGCTACCCCTGGTTCACGGCCCCATCTCCAGGGTGAGGGCTGCACAGCTGGTC
 CAGCTCCAGGGCCCTGATGCCACGGCGTGTTCCTGGTGGCAGAGTGAAGTCCCGGAGAGGAGAGTATG
 TACTCACATTCACTTACAGGGCAGAGCCAAGCACTTACGCTGGTGTCTACAGAGCGTGGACAGTCCCG
 GGTGCAACACCTGCACTTCCCCTCGGTGGTAGATATGCTCCGCCACTTCCAGCTTCTCCTATCCCACTG
 GAATGTGAGCAGCTTGTGACGTCGACTCTCTGGCTATGTGGTAGTCCCTCTCAGGCACCAGGTTCTT
 CCAACACCGTCTCTTCCCTTTTTCCCTTCTCCTACTGGGATTTCGGAGCTGGGTATCCCCACCTCAGCTC
 TGTTGGCTGTCCCCCAGCCATGGTGCAGAGGCTCTCCCTGGCCAAGTGACACCACCTGAGCAGATCTTC
 CACCTGGTGCCTTCTCCTGAGGAACTGGCCAACAGTCTGCGGCAGCTGGAGCTCGAGTCTGTGAGCAGTG
 CCCGGGACTCGGACTATGACATGGACTCTTTCACGGGGCCACCTTCGGGCCATTGACAACCAGTACAC
 CCCTCTCTACAGCTGTGCAGAGAGGCAGACGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208726 representing NM_008507
 Red=Cloning site Green=Tags(s)

MNEPTVQPSRTSSAPASPASPRGWSDFCEQHAAAAARELARQYWLFAHAHPQPPRADLVSLQFAELFQRH
 FCREVRESLAGPPGHYRATAPPRPALPKARSSDLGPRPACALQHLRRGLRQLFRRRSAGELPGATSDT
 NDIDTTAASRPGPARKLLPWGLREPPTEALKEVVLRYSLADEAAMD SGARWQRGLVLRSPGPGHSHFLQ
 LFDPPKSSKPKLQEACSSIREVRPCTREMPDNL YTFVLKVDQTDIIFEVGDQQLNSWLAE LRASTGL
 GLEHPDTELPLSLAAEPGPARS PRGSTD SLDQASPGVLLDPACQKTDHFLSCYPWFHGPISRVRAAQLV
 QLQGPDAHG VFLVRQSESRRGEYVLT FNLQGRAKHLRLVLTERGQCRVQHLHFPSVVDMLRHFQRSPIPL
 ECGAACDVRLSGYVVVLSQAPGSSNTVLPFSLPHWDELGHPHLSSVGCPPSHGAEALPGQVTPPEQIF
 HLVPSPEELANSLRQLELESVSSARDSDYDMDSSSRGHLRAIDNQYTPLSQLCREADV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9039_f01.zip

Restriction Sites:

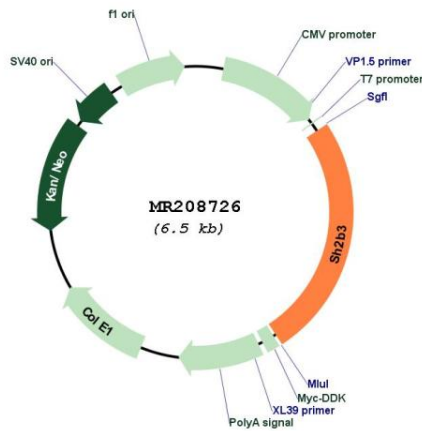
Sgfl-Mlul

Cytogenetics: 5 61.99 cM

MW: 60.9 kDa

Gene Summary: This gene encodes a member of the SH2B family of adapter proteins that play an important role in T cell receptor signaling. This gene is preferentially expressed in hematopoietic stem cells, hematopoietic progenitors, pre and immature B cells, as well as megakaryocytes and mastocytes. In hematopoietic stem cells, the encoded protein is a key regulator of self-renewal, proliferation and apoptosis. Mice lacking the encoded protein exhibit pre and immature B cell expansion in spleen and the bone marrow. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]

Product images:



Circular map for MR208726