

Product datasheet for **MC217462**

Sppl2a (NM_023220) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sppl2a (NM_023220) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sppl2a
Synonyms:	2010106G01Rik; C130089K23Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217462 representing NM_023220
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTGCTGCACTCGTGCACGCTCCCGGGCTGCCCTGCTCGGAGCTGCCTGCTCGGACTGGCAG
 CTGCTCAGGAAGCATTCTGCATGCGTCTACAAATGGCGTGTCTTCACTTTCCAAGGACTACTGCATGTA
 TTATAACAACAACACTGGACACGACTTCCAAGTCCCTAGAAAATGCAACTTCTCTGAGCTTATGAATCTG
 ACGGGCACAGCACTGTGCCACCTTTCTGATATTCTCCTGATGGCATAAGGAACAAGGCAGTGGTGGTGC
 ACTGGGGACCCTGCCATTTCTGAAAAAGCCAGAATTGCACAGGAAGGTGGTGCAGCATTGCTGAT
 TGCCAACAACAGTGTCTAATTCCTTCTCAAGGAACAAATCTACATTTCAAATGTGACTGTACTAATT
 GCAGTTATAACCCAAAAAGACTTCAAAGACATGAAAGAGACTCTGGAGATGACATTACCGTGAAAAATGT
 ATCCCCATCCTGGCCTAACTTTGACTACTCTGGTGGTTATTTTTGTAATTGCTGTGTTCACTGTGGC
 CTTAGGAGGATACTGGAGTGGACTTATTGAATTGGAAAACATGAAGTCAGTGGAAGACGCAGAAGACAGA
 GAGACAAGAAAAAGAAGGACGATTACTTAACATTCAGTCCTCTCACGGTTGTTGTGTTCTGGTGCATCT
 GCTGTATAATGATTGTCTTACTGTATTTCTTCTACAGGTGGCTTGTGTATGTTATGATAGCGATTTTCTG
 CATAGCATCGTCAATGAGCCTGTACAAGTGTCTTCTGCAATGATTTCATAGGATGCCATGTGGACAGTGC
 ACGATTTTGTGTTGTGGCAAAAACATTAAGTGAAGCCTGATTTTCTTTCCGGGCTGTGCATCTCAGTTG
 CTGTTGTGTGGGCTGATTTTCGAAATGAGGATAGGTGGGCTTGGATTTTACAGGATATCTTAGGAATTGC
 TTTCTGTCTCACTTAATTAACAATGAAGTTACCCAATTTTCATGTCATGCGTGATACTGCTAGGCCTT
 CTTCTCATCTACGATGTGTTCTTTGTCTTACACACCTTTTCATCACAAGAATGGTGGAGCAGCAGTGG
 TGGAACTTGCTGCTGGGCTTTTCGAGAATGCTGAAAAGTTGCCAGTAGTTATCAGGGTGCCAAAACATGAT
 GGGTTACTCAGTCATGAGTGTATGCTCCGTCCTGTTTCAGTATTGGGTTTCGGAGATATCATTGTACCA
 GGCTGTTGATTGCATATTGTAGAAGATTCGATGTTTCAGACTGGTCTTCTATATACTATATTTTCATCCA
 CAATTGCCTATGCTGTTGGCATGATCATTACCTTTGTTGCTGATGGTGTGATGAAAACAGGGCAGCCTGC
 TCTCTACTTGGTACCTTGTACACTTATTACTGTCTCAGTCGTTGCTTGGAGTCGTAAGGAAATGAAA
 AAGTTCTGGAAGGCAGCAGCTATCAGGTGATGGACCCTGGACTATTCACAAATGAAGAAAATCCAG
 TGACGACTGATGAGCAGATTGTACAACAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_023220

Insert Size: 1572 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:

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_023220.2](#), [NP_075709.2](#)

RefSeq Size: 5629 bp

RefSeq ORF: 1572 bp

Locus ID: 66552

UniProt ID: [Q9JIF9](#)

Cytogenetics: 2 F1

Gene Summary: Intramembrane-cleaving aspartic protease (I-CLiP) that cleaves type II membrane signal peptides in the hydrophobic plane of the membrane. Functions in FASLG, ITM2B and TNF processing. Catalyzes the intramembrane cleavage of the anchored fragment of shed TNF-alpha (TNF), which promotes the release of the intracellular domain (ICD) for signaling to the nucleus. Also responsible for the intramembrane cleavage of Fas antigen ligand FASLG, which promotes the release of the intracellular FasL domain (FasL ICD). May play a role in the regulation of innate and adaptive immunity.[UniProtKB/Swiss-Prot Function]