

Product datasheet for **MC219200**

Sppl2b (NM_175195) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sppl2b (NM_175195) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sppl2b
Synonyms:	3110056O03Rik; AW550292; PSL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219200 representing NM_175195
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCGGCGGGCTGGCCGAGCTTTGCTGCTACTCGCGGCCAGGTGGCCTGTGAGTTCGGCGTGC
 TTCGAGTGGTGTCCCAAACCAAGTAGGACTCGGAGCAGGGACTACTGCATCCTCTACAACCCACAGTGGC
 CCACTTGCCACATGACCTCAGCAAAGTGTCTCTCCTGAAGCTTCGAGACTTGAGCACCACCCAGCTCTGT
 TCCTACCTTGACGTCCCTGCAGAAGACTTCACCAACCAAATCGCACTGGTGGCCCGGGGCAACTGTACCT
 TCTATGAGAAAGTGGCGCTGGCCAGGGCAGTGGGGCTCACGGGCTGCTGATAGTCAGCAAGGAGAAGCT
 GGTCCCTCCAGGAGGCAACAAGACACAGTATGAGGAGATAAGCATCCCTGTGGCCCTGCTGAGCCACAGA
 GACCTTCAAGACATCTTCAGGCGCTTTGGCCGTGAGGTAATGGTGGCACTGTATGCTCCGAGCGAGCCAG
 TGATGGACTACAACATGGTCATCATCTTTGTATGGCCGTGGGCACCGTCGCCATCGGTGGCTACTGGC
 TGGCAGCCATGATGTGAAGAAGTACATGAAGCATAAGCGAGACGATGGTCTGAGAAACAGGAGGATGAG
 GCGGTGGACGTGACGCCAGTCATGATCTGCGTGTGGTGTGTAATGTGCTGCTTATGCTTGTGCTTCTCT
 ACTACTTCTATGACCGCCTGGTCTACGTGATCATTGGAATCTTCTGCCTGGCCTCCTCCACCGGTCTCTA
 CAGCTGTCTGGCACCCCTTTGTGCGGAAGCTGCCCTTCTGCACGTGCAGGGTCCCCGACAACAACCTGCCG
 TACTTCCACAAGCGCCACAGGCCCGCATGCTGCTGCTGGCACTCTTCTGTGCACTGTCTCCGTGGTGT
 GGGGATCTTCCGAAATGAGGACCAGTGGGCATGGGTCTGCAAGACACCTGGGCATTGCCTTCTGCCT
 GTACATGCTGAAGACCATCCGCCTGCCTACCTCAAGGCCTGCACGCTGCTGCTGCTGGTGTCTTATC
 TACGACATCTTCTTTGTCTTATCACCCCTTCTGACCAAGAGTGGCAACAGCATATGGTGGAGGTGG
 CCACCGGGCCCTCGAACTCATCCACCCATGAGAAGCTGCCATGGTGTGCTGAAGGTGCCAGGCTGAACAC
 CTCGCCACTCTCCCTGTGTGACCGGCCCTTCTCCCTCCTGGGCTTTGGAGACATCTTGGTGCCAGGGCTG
 CTGGTGGCCTACTGTCACAGTTTGATATCCAGGTGCAGTCTCCAGAATTTACTTTGTGGCCTGTACCA
 TTGCCTATGGCCTGGCCTCCTGGTGACCTTCGTGGCTTTGTCTCATGCAGCGTGGCCAGCCTGCACT
 ACTCTACCTGGTCCCTTGACACTGCTGACCAGCTGCACCGTGGCTCTGTGGCGCCGGGAGCTGGGTGCC
 TTCTGGACGGGCAGCGGTTTTCGGAAGGATGCACCTCAGACCCCGTGGCCGCAACCCAGGGACCTGTGC
 CTCCGAAGGCTGTGGGTTCTCCCTCTCCGAGCAGCCTCAAGTGAAGAGCTAGCCAAGACCCCTGTG
 CACTGAGGAGGCCGAGCCGAGACCCTGCCAAGGATCCTGACAACCTGTGGCCAGTCCCCTCAGCCCC
 TCAAATGGGGATGAGGCTCAGCCTATCCCTGTGGTGAAGCCAGAGACTTCGGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_175195
- Insert Size:** 1737 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_175195.3](#), [NP_780404.2](#)

RefSeq Size: 2887 bp

RefSeq ORF: 1737 bp

Locus ID: 73218

UniProt ID: [Q3TD49](#)

Cytogenetics: 10 C1

Gene Summary: Intramembrane-cleaving aspartic protease (I-CLiP) that cleaves type II membrane signal peptides in the hydrophobic plane of the membrane. Functions in 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. May play a role in the regulation of innate and adaptive immunity.[UniProtKB/Swiss-Prot Function]