

Product datasheet for **SC127928**

Signal peptide peptidase like 2B (SPPL2B) (NM_152988) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Signal peptide peptidase like 2B (SPPL2B) (NM_152988) Human Untagged Clone
Tag:	Tag Free
Symbol:	Signal peptide peptidase like 2B
Synonyms:	IMP-4; IMP4; PSH4; PSL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127928 sequence for NM_152988 edited (data generated by NextGen Sequencing)

```
ATGGCGGCAGCGGTGGCGGCTGCGCTGGCGCGGCTTTTGGCGGCCTTTCTGCTCCTCGCG
GCCAGGTGGCCTGTGAGTACGGCATGGTGCACGTGGTCTCCCAGGCCGGGGCCCCGAA
GGCAAAGACTACTGCATCCTCTACAACCCGAGTGGGCCCATCTCCGCACGACCTCAGC
AAGGCATCTTTCCTGCAGCTGCGCAACTGGACGGCCTCCCTGCTCTGCTCCGACGCCGAC
CTCCCCGCCCGTGGCTTCAGCAACCAGATCCCGCTGGTGGCGCGGGGAACTGCACCTTC
TATGAGAAAAGTGAGGCTGGCCCAGGGCAGCGGAGCACGCGGGCTGCTCATCGTCAGCAGG
GAGAGGCTGGTCCCCCGGGGGTAATAAGACGAGTATGATGAGATTGGCATTCCCGTG
GCCCTGCTCAGCTACAAAGACATGCTGGACATCTTACGCGTTTTCGGCCGACGGTGAGG
GCGGGCGTGATGCGCCTAAGGAGCCGGTGTGGACTACAACATGGTCATCATCTTCATC
ATGGCTGTGGCACCGTCGCCATCGGGGCTACTGGCCGGGAGTCGGGACGTGAAGAAA
AGGTACATGAAGACAAGCGGACGATGGGCCGAGAAGCAGGAGGACGAGGCGGTGGAC
GTGACGCCGGTGATGACCTGCGTGTGGTGTGTGCTGCTCCATGCTGGTGTGCTC
TACTATTTCTACGACCTCCTCGTGTACGTGGTCATCGGGATCTTCTGCCTGGCCTCCGCC
ACCGGCCTCTACAGCTGCCTGGCGCCCTGTGTGGCGGGCTGCCCTTCGGCAAGTGCAGG
ATCCCCAACAAACAGCCTGCCCTACTTCCACAAGCGCCCGAGGCCGATGCTGCTCCTG
GCGCTCTTCTGCGTGGCCGTGAGCGTGGTGTGGGGCGTCTCCGCAACGAGGACCAGTGG
GCCTGGGTCCCTCCAGGATGCCCTGGGCATCGCCTTCTGCCTCTACATGCTGAAGACCATC
CGTCTGCCACCTTCAAGGCCTGCACGCTGCTGCTGCTGGTGTGTTCTCTACGACATC
TTCTTCGTGTTTCATCACGCCCTTCTGACCAAGAGTGGGAGCAGCATCATGGTGGAGGTG
GCCACTGGGCCCTCGGACTCAGCCACCCGTGAGAAGCTGCCATGGTCTGAAGGTGCC
AGGTGAACCTCTCACCTCTGGCCCTGTGTGACCGGCCCTTCTCCCTCCTGGGTTTCGGA
GACATTTTGGTGCCAGGGCTGCTGGTGGCCTACTGCCACAGTTTTGACATCCAGGTACAG
TCCTCCAGGGTATACTTCGTGGCCTGCACCATCGCCTATGGCGTTGGCCTCCTTGTGACA
TTCGTGGCACTGGCCCTGATGCAGCGTGGCCAGCCGCTCTCCTTACCTGGTGCCTGC
ACGCTGGTGACGAGCTGCGCTGTGGCGCTCTGGCGCCGGGAGCTGGGCGTGTCTGGACG
GGCAGCGGCTTTGCGAAAGTCTACCTCCATCTCCGTGGGCCCCAGCACCAGCCGACGGC
CCGCAGCCTCCCAAAGACTCTGCCACGCCACTCTCCCCGACGCCCCAGCGAAGAACCA
GCCACATCCCCCTGGCCTGCTGAGCAGTCCCCAAAATCACGCACGTCAGGAGATGGGG
GCTGGAGCCCCCATGCGGGAGCCTGGGAGCCCAGCTGAATCAGAGGGCCGGGACCAGGCC
CAGCCGTCGCCGTAACCCAGCCTGGCGCCTCGGCCTAG
```

Clone variation with respect to NM_152988.2
735 t=>c;1722 c=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152988 unedited
 CCCCATACCCCGCCCGTTGCCGCAAAGGGCGGCAGGCGTGACGGTGGGAGGTCTATAT
 AAGCAGAGCTCATTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGC
 CGGGAATTCGGCACGAGGCCGGCCGACATGGCGGCAGCGGTGGCGGCTTCGCTGGCGCGG
 CTTTTGGCGGCCCTTCTGCTCCTCGCGGCCAGGTGGCCTGTGAGTACGGCATGGTGAC
 GTGGTCTCCCAGGCCGGGGCCCCGAAGGCAAAGACTACTGCATCCTCTACAACCCGACG
 TGGGCCCATCTTCCGCACGACCTCAGCAAGGCATCTTTCCTGCAGCTGCGCAACTGGACG
 GCCTCCCTGCTCTGATCCGCAGCCGACCTCCCCGCCCGTGGCTTACGCAACCAGATCCTG
 CTGGTGGCGCGGNGAACTGCACCTTCTATGAGCAAGTGAGGCTGGCCAGGGCAGCGNA
 GCACGCGGGCTGCTCATCGTCAGCAGGGAGAGGCTGTCCCCCGGGGGTAATAGACGC
 AGCATGAGGAGATTGGCATTCCCGGGCCCTTGTAAAGTTACAAAGACCTGCTTGGACATT
 TTTACGGCGTTTTCGGCCGCCCGGGAAGGGCGGGCCTTAAATGGCCCTATAGGACCCGGG
 GGCTGGCCACCCCGGGGCACCCACCTTCAAATAGGGCGTGGGGGCCCGCCCCATT
 TGGGGTAAACTGGGCCCGGGNTCCCCCTCTAAAACAAGGTCCATTAACCCACC
 CCCCCAAATGGTCCCCAAAAACAACAGGAACACAAGCGGGGGGAACAAAACCCCCCGA
 AACACCCCTGTTTTTGGTGGAGAAAACCTCCCCTCCCCGGNGGGGGGATACAATAA
 TAAAAACCCCCCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_152988 unedited
 AGCCTGGGNAGTGGGTACAGGNATGCCACCCGGTCTGTTCAGGAAAAGCTATGAC
 CGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGAAGTTGCGACATTTATT
 AAAATGGGGAGGAGTGTGCAGGCATGGCCAGGCACCTCTGGCTGAGGGCAGGGCAGGGCC
 TTAGCCAGGGGAGCAGCTTGCCACTTACTGCCAGCCTTGTTCACGCCCAAAACCCCGC
 CCCACGGGCTGTCTCAGCCAGCGTCAGGGCCAGAGGCCGCCCGGCCACCGTCCGTG
 TCTTAGGCTTGGAGGCAGCTTCCAAACCTCCCAGGGGCTCCGATCTGCTCAAGAGGGAAA
 AGCGATGCCTTCTGGGAGACAGAAAGCTGCTCTTCCACCCGGAGAGCAGGATGCCGTGGG
 GAGGGAGTCACTGAAGGCCAAGCAGCTGGTGAGCACCAAGTGTGGCCGCGGCAGAG
 TCCACCCACGCCTGCTCACTCATGCAGACGACGCTTGAGGGTCTGCAGAGAGGCCGGCA
 GGGCCTGCGAGGACGACCCCGTGGGGAGGATGACCCGAGAGAGCTTGTGGCAGCCG
 GCGGAGTGGGAGCAGCAGGCGTGCAGCCGNGCAGCTGGGCTGGGCGCGGGCACAGACC
 GCAGGGGTCTCGGCNAGGATGAGCACCATGTTGGGGCGGGTGGGACGGCACAGGCCTCG
 GTCCCNGGACAGGCGTGTCTGTCTGTCTCCAGTGGGCGCCAGGCAGCCCCAAATCC
 TGGTG

Restriction Sites:

NotI-NotI

ACCN:

NM_152988

Insert Size:

2900 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_152988.1 , NP_694533.1
RefSeq Size:	2557 bp
RefSeq ORF:	1779 bp
Locus ID:	56928
UniProt ID:	Q8TCT7
Cytogenetics:	19p13.3
Protein Families:	Protease, Transmembrane
Gene Summary:	<p>This gene encodes a member of the GXGD family of aspartic proteases. The GXGD proteases are transmembrane proteins with two conserved catalytic motifs localized within the membrane-spanning regions. This enzyme localizes to endosomes, lysosomes, and the plasma membrane. It cleaves the transmembrane domain of tumor necrosis factor alpha to release the intracellular domain, which triggers cytokine expression in the innate and adaptive immunity pathways. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) represents the shorter transcript but encodes the longer isoform (2).</p>