

Product datasheet for **SC120624**

Signal peptide peptidase like 2B (SPPL2B) (NM_020172) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Signal peptide peptidase like 2B (SPPL2B) (NM_020172) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPPL2B
Synonyms:	IMP4, PSL1, KIAA1532; RGD1308556; signal peptide peptidase-like 2B
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >OriGene ORF within SC120624 sequence for NM_020172 edited (data generated by NextGen Sequencing)

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ATGGTGCACGTGGTCTCCAGGCCGGGGCCCCGAAGGCAAAGACTACTGCATCCTCTAC
AACCCGCAGTGGGCCATCTTCCGCACGACCTCAGCAAGGCATCTTTCCTGCAGCTGCGC
AACTGGACGGCTCCCTGCTCTGCTCCGCAGCCGACCTCCCCGCCGTGGCTTCAGCAAC
CAGATCCCCTGGTGGCGGGGAACTGCACCTTCTATGAGAAAGTGAGGCTGGCCAG
GGCAGCGGAGCACGCGGGCTGCTCATCGTCAGCAGGGAGAGGCTGGTCCCCCGGGGGT
AATAAGACGCAGTATGATGAGATTGGCATTCCCGTGGCCCTGCTCAGCTACAAAGACATG
CTGGACATCTTACGCGTTTTCGGCCGCACGGTGAGGGCGGCGCTGTATGCGCCTAAGGAG
CCGGTGTGGACTACAACATGGTCATCATCTTTCATCATGGCTGTGGGCACCGTCGCCATC
GGCGGCTACTGGGCCGGAGTCGGGACGTGAAGAAAAGGTACATGAAGCACAAGCGCGAC
GATGGGCCGAGAAGCAGGAGGACGAGGCGGTGGACGTGACGCCGGTGATGACCTGCGTG
TTTGTGGTGATGTGCTGCTCCATGCTGGTGTGCTCTACTATTTCTACGACCTCCTCGTG
TACGTGGTCATCGGGATCTTCTGCCTGGCTCCGCCACCGGCTCTACAGCTGCCTGGCG
CCCTGTGTGCGGGGCTGCCCTTCGGCAAGTGCAGGATCCCCAACACAGCTGCCCTAC
TTCCACAAGCGCCCGCAGGCCCGTATGCTGCTCCTGGCGCTCTTCTGCGTGGCCGTGACG
GTGGTGTGGGGCTTCCGCAACGAGGACAGTGGGCCTGGGTCTCCAGGATGCCCTG
GGCATCGCCTTCTGCCTACATGCTGAAGACCATCCGTCTGCCACCTTCAAGGCTGC
ACGCTGTGCTGCTGGTGTGTTCTCTACGACATCTTCTTCTGTTTCATCACGCCCTTC
CTGACCAAGAGTGGGAGCAGCATCATGGTGGAGGTGGCCACTGGGCCCTCGGACTCAGCC
ACCCGTGAGAAGCTGCCATGGTCTGAAGGTGCCAGGCTGAACTCCTCACCTCTGGCC
CTGTGTGACCGGCCCTTCTCCCTCCTGGGTTTCGGAGACATTTTGGTGCCAGGGCTGCTG
GTGGCCTACTGCCACAGTTTGACATCCAGGTACAGTCTCCAGGGTATACTTCGTGGCC
TGCACCATCGCCTATGGGTTGGCTCCTTGTGACATTGCTGGCACTGGCCCTGATGCAG
CGTGGCCAGCCCCTCTCCTCTACCTGGTGCCTGCACGCTGGTGACGAGCTGCGCTGTG
GCGCTCTGGCGCCGGGAGCTGGGCGTGTCTGGACGGGCAGCGGCTTTGCGAAAAGTCCTA
CCTCCATCTCCGTGGGCCCCAGCACCAGCCGACGGCCCGCAGCCTCCCAAAGACTCTGCC
ACGCCACTCTCCCCGACGCCGCCAGCGAAGAACCAGCCACATCCCCCTGGCCTGCTGAG
CAGTCCCCAAAATCACGCACGTCCGAGGAGATGGGGCTGGAGCCCCCATGCGGGAGCCT
GGGAGCCCAGCTGAATCCGAGGGCCGGGACCAGGCCAGCCGTCCCCGGTAACCCAGCCT
GGCGCCTCGGCCTAG
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Clone variation with respect to NM_020172.1
651 t=>c

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_020172 unedited</p> <p>TCAACATTTGTAATACGACTTCACTATAGGGCGGCCGGAATTCGCACCAAACCGGCCGA CATGGCGGCAGCGGTGGCGGCTGCGCTGGCGCGGCTTTTGGCGGCCTTTCTGCTCCTCGC GGCCAGGTGGCCTGTGAGTACGGCATGGTGCACGTGGTCTCCAGGCCGGGGCCCCGA AGGCAAAGACTACTGCATCCTCTACAACCCGACGTGGGCCATCTCCGCACGACCTCAG CAAGGCATCTTTCTGCAGCTGCGCAACTGGACAGCCTCCCTGCTCTGCTCCGCAGCCGA CCTCCCCGCCGTGGCTTACGAACTCCCGCTGGTGGCGCGGGGAACTGCACCTT CTATGAGAAAGTGAAGCTGGCCAGGGCAGCGGAGCACGCGGGCTGCTCATCGTCAGCAG GGAGAGGCTGGTCCCCCGGGGGTAATAAGACGAGTATGATGAGATTGGCATTCCCGT GGCCCTGCTCAGCTACAAAGACATGCTGGACATCTTACGCGTTTCGGCCGCACGGTGAG GGCGGCGTGTATGCGCCTAAGGAGCCGGTGTGGACTACAACATGGTCATCATCTTCAT CATGGCTGTGGGCACCGTCGCCATCGGCGGCTACTGGCCGGGAGTGGGACGTGAAGAA AAGGTACATGAAGACAAGCGCAGCATGGGCCGAGAAGCANGACGAGGCGGTGGA CGTGACCGCGGTGATGACCTGCGTGTGGTGGTGTGTGCTCCATGCTGGTGTGCT CTACTATTCTACGACCTCCTCGTGTACGTGGTATCGGGATCTTCTGCCTGGCCTCCGC CACCGGCCTTACAGCTGCCTGGCGCCCTGTGTGCGGCGGCTGCCCTTCGGCAGTGCAAG ATCCCCAACACAGCCTGGCCTACTTACAAGCGCCCGCAGCCCGTTGCTGCTGTGGCGCT N</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_020172 unedited</p> <p>NCGGCCTCTATGTACCGCGCCGATTCTAGACTCGTTTTTTTTTTTTTTTTTTTTCTAGA ATTGCGACCATTTTTTAAAAGGGGAGGAGTGTGCAGGCATGGCCAGGCACCTCTGGCTGAG GGCAGGGCAGGGCCTTAGCCAGGGGAGCAGCTTGTCCACTTACTGCCAGCCTTGTTCACG CCCCAAAACCCCGCCCCACGGGCCTGTCTCAGCCAGCGTCAGGGGCCAGAGGCCGCCCGG GCCACCGGTCCGTGTCCTAGGCTTGGAGGCAGCTTCAAACCTCCCAGGGGCTCCGATCT GCTCAAGAGGGAAAAGCGATGCCTTCTGGGAGACAGAAAGCTGCTTCCACCCGGAGAG CAGGATGCCGTGGGGAGGGAGGTACCTGAAGGCCAAGCAGCTGGTGTGACCAAGTGT GGCCGCGGCCAGAGTCCACCCACGCCTGCTCACTATGCAGACGACGCTTGTGGGCTGTG AGAGAGGCCGGGCAGGGCCTGCGAGGACGACCCCGGTGGGAGGATGGACCCGACAGAGA GCTTGTGGCAGCCGGGCGAGCTGGGAGCAGCAGCGGTGCAGCCGGGGCAGCTGGGCTGGG CGCGGGCACAGACCGCAGGGGTCTCGGCAAGGATGATCACCATGTTGGGCGGGTGGGGA CGGCACAGGCCTCGTCCCGGGGACAGGCGTCTGTCTGTCTCAGTGGGCGCCAG GCAGCCCCAACATCTTGGTGTGGCGGGCACGGCAGCGAGCGTCTCACCCCTCCCTAGGC CGATGCGCCAGGCTGGGTTACCGGGGACGGCTGGGCTGGTCCCGGCCCTCTGATTACAG TGGGCTCCAAGGCTCCCGAATGGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_020172
Insert Size:	2650 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).
RefSeq:	NM_020172.1 , NP_064557.1
RefSeq Size:	1815 bp
RefSeq ORF:	1815 bp
Locus ID:	56928

Domains:	PA, PSN, DUF435
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>