

Product datasheet for SC106230

Signal peptide peptidase like 2B (SPPL2B) (AL365405) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Signal peptide peptidase like 2B (SPPL2B) (AL365405) 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-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AL365405, the custom clone sequence may differ by one or more nucleotides

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CGGGGCGGTTCTTGCCTTCAGTCCCCCGGGTCCCCTCCTGCTCCCGGGTTTTCTGCCCGTTCCCC
CGGGTGGCTGTGGGCTCCCGAGCCCCGTGTCCGCCAGCCGGCCCCAGGGCCCCACGACCCATGGTGTCT
CCCAAGAAGGTACATGAAGCACAAAGCGCAGCATGGGCCGAGAAGCAGGAGGACGAGGCGGTGGACGTG
ACGCCGGTGATGACCTGCGTGTGGTGTGATGTGCTGCCATGCTGGTGTGCTCTACTATTTCTACG
ACCTCCTCGTGTACGTGGTTCATCGGGATCTTCTGCCTGGCCTCCGCCACCGGCCTCTACAGCTGCCTGGC
GCCCTGTGTGCGGCGGTGCCCTTCGGCAAGTGCAGCGCCCGCAGGCCCGTATGCTGCTCCTGGCGTCT
TCTGCGTGGCCGTGAGCGTGGTGTGGGGCGTCTCCGCAACGAGGACCAGTAAGTGTGCTTCCCCCGGG
CCCCGGCGGGCAGCGGAGTCTCGGACGCACCAGGGCTCCTGGGGCCCTGACTCCCTGCCCTCCCTGGAG
GCCGCCCCAGCCTGGAGCTGCTTCAGCACCGCGTGTGATGAAGAGCCCTGGCCCCGGGTGCTCTGACAGGG
CTGCGAGGGCGTTTTACCTGGGGTTGTCCGGGTGTATGGGAACCCCTGACTGGAATCCGGGAGGAGAGG
CCGGAGCCCTGTGGCCAGGAGCCACGTCTCCAGCCTGGATGGGACTCCTTTGTGGGCATCGTGCCC
AGGGCCACAGTCTGTCCCCCGTGTCCCTTTCTGGCACCCACGTGCACGCCGACAGTTTCGAGGCCCAGG
GTGTGGGCACAGGGCACCCGGTCTTGGTTCATGACTGCTGCGGCTTCTGAGCAGTGGTGGAGGTGGG
GCAGGCACTGCTCCCCACGCTCACCTCCACGTGGCCTGGACTTGTGGCTGCCCTCCCGTGGCCGGCC
CTCCCCCATGAGGCCGAGTGCCTGGTGGCGTGTGGGAGGACAGAGCTGGCCCCGCCCCGGTCCCC
ACCGTGTGCTGATACCATCTGGCACTTCTCCAGCCTTCTGAGGCAGCCAAGTACGCTTGGCTTTG
GTGTGTATTGGAGCCACGGCACGTTAACTGGCAGAAGGAAGATGTGAAAATATTTTGAATCCTTTGTAC
ACAAAGAGAAAATGAATCTTTTCAGTTATTTTCAAAGCCAGGAACTCGTCCGTCACATGAAGTTAGAGC
AGGCCTCAGTCAGCTGGGCGCAGGGGCTCACGCCTGGGATCCCAGCATTGGTAGGCCAAGGCAGGACGA
TCACTTTGCCAGGAGTTCAAGACCAGCCTGGGCAACAAGCGAGACGCCCTATTTAAGAAATAATATAAA
ATCAGAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for AL365405 unedited NNNGGTTCAAATTTGTAACGACTCATATAGGCGGCCGCGNAATTCGCACGAGAAGGCAT GGTGCACGTGGTCTCCCAGGCCGGGGCCCCNAAAGCAAAGACTACTGCATCCTCTACAA CCCGCAGTGGGCCCATCTTCCGCACGACCTCAGCAAGGCATCTTTCCTGCAGCTGCGCAA CTGGACAGCCTCCCTGCTCTGCTCCGCAGCCGACCTCCCCGCCGTGGCTTCAGCAACCA GATCCCCTGGTGGCGCGGGGAACTGCACCTTCTATGAGAAAAGTGAGGCTGGCCAGGG CAGCGGAGCAGCGGGCTGCTCATCGTCAGCAGGAGAGGCTGGTCCCCCGGGGGTAA TAAGACGCAGTATGATGAGATTGGCATTCCCGTGGCCCTGCTCAGCTACAAAGACATGCT GGACATCTTACGCGTTTCGGCCGACGGTGAGGGCGGCCTGTATGCGCCTAAGGAGCC GGTGCTGGACTACAACATGGTCATCATCTTCATCATGGCTGTGGGCACCGTCGCCATCGG CGGCTACTGGGCCGGAGTCGGGACGTGAAGAAAAGGTACATGAAGCACAAAGCGCAGCA TGGGCCCGAGAAGCAGGAGGACGAGGCGGTGGACGTGACCGCGGTGATGACCTGCGTGTT TGTGGTGTGTGCTCCATGCTGGTGTGCTCTACTATTTCTACGACCTCCTCGTGTA CGTGGTATCGGGATCTTCTGCCTGGCCTCCGCCACCGGCCTCTACAGCTGCCTGGCGCC CTGTGTGGCGCGCTGCCCTTCGGCAAGTGACAGGATCCCCAACACAGCCTGCCCTACTTC CACAAGCGCCCCGAGCCCGTATGCTGCTCCTGGCGCTTCTGCGTGGCCGTACGCGTG GGTGTGGGGCGTCTTCCGCAACAC
Restriction Sites:	NotI-NotI
ACCN:	AL365405
Insert Size:	3000 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:	AL365405.1 , CAB96951.1
RefSeq Size:	1412 bp
RefSeq ORF:	1412 bp
Locus ID:	56928
Cytogenetics:	19p13.3
Protein Families:	Protease, Transmembrane

Gene Summary:

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]