

Product datasheet for **SC103681**

SPPL2A (NM_032802) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPPL2A (NM_032802) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPPL2A
Synonyms:	IMP3; PSL2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032802 edited
 GGCGGCCGCTGTAGCAGCGGCGGTCCAGTCGTAGCCCGGCCGCCCGCCTGTCCGGTCC
 GGTCCGGCCACGGAGGCAGCGCAGCGCGGGACTCCGAGCCTACCCGCCGAGTGAGCTG
 CGCCGCACCGTCCCGTCCCACCCGGCACCCACCAGTCCGATGGGGCCGACGCGCGGCTG
 TCCCTGCCGGGGCCGCCTACTCTGGGGCTTCTGTCCAGCTGACAGCCGCTCAGGAA
 GCAATCTTGCATGCGTCTGAAAATGGCACAACCAAGGACTACTGCATGCTTTATAACCT
 TATTGGCAGCTCTTCAAGTACCCTAGAAAATGCAACTCCATTAGTTTGTGAATCTG
 ACTTCCACACCCTATGCAACCTTTCTGATATTCTCCTGTTGGCATAAAGAGCAAAGCA
 GTTGTGGTTCCATGGGAAGCTGCCATTTTCTGAAAAAGCCAGAATTGCACAGAAAGGA
 GGTGCTGAAGCAATGTTAGTTGTCAATAACAGTGTCTATTTCTCCCTCAGGTAACAGA
 TCTGAATTTCTGATGTGAAAATACTGATTGCATTTATAAGCTACAAAGACTTTAGAGAT
 ATGAACCAGACTTAGGAGATAACATTACTGTGAAAATGTATTCTCCATCGTGGCCTAAC
 TTTGATTACTATGGTGGTTATTTTTGTAATTGCGGTGTTCACTGTGGCATTAGGTGGA
 TACTGGAGTGGACTAGTTGAATTGGAAAACCTGAAAGCAGTGACAAGTGAAGATAGAGAA
 ATGAGGAAAAAGAAGGAAGAATATTTAACTTTTAGTCTTACAGTTGTAATATTTGTG
 GCATCTGCTGTGTTATGATGGTCTTACTTTATTTCTTCTACAAATGGTTGGTTTATGTT
 ATGATAGCAATTTTCTGCATAGCATCAGCAATGAGTCTGTACAAGTGTCTTGCTGCACTA
 ATTCATAAGATACCATATGGACAATGCACGATTGCATGTCGTGGCAAAAACATGGAAGTG
 AGACTTATTTTTCTCTGGACTGTGCATAGCAGTAGCTGTTGTTGGGCTGTGTTTCGA
 AATGAAGACAGGTGGGCTGGATTTTACAGGATATCTTGGGGATTGCTTCTGTCTGAAT
 TTAATTAACACTGAAGTTGCCCAACTTCAAGTCATGTGTGATACTTCTAGGCCTTCTC
 CTCCTCTATGATGATTTTTTTGTTTTTATAACACCATTATCACAAGAATGGTGAGAGT
 ATCATGGTTGAACTCGCAGCTGGACCTTTTGGAAATAATGAAAAGTTGCCAGTAGTCATC
 AGAGTACCAAAACTGATCTATTTCTCAGTAATGAGTGTGCTCATGCCTGTTTCAATA
 TTGGGTTTTGGAGACATTATTGTACCAGCCTGTTGATTGCATACTGTAGAAGATTTGAT
 GTTCAGACTGGTCTTCTTACATATACTATGTTTCGTCTACAGTTGCCTATGCTATTGGC
 ATGATACTTACATTTGTTGTTCTGGTGCTGATGAAAAAGGGCAACCTGCTCTCCTCTAT
 TTAGTACCTTGACACTTATTACTGCCTCAGTTGTTGCCTGGAGACGTAAGGAAATGAAA
 AAGTCTGGAAAGGTAACAGCTATCAGATGATGGACCATTTGGATTGTGCAACAAATGAA
 GAAAACCTGTGATATCTGGTGAACAGATTGTCCAGCAATAATATTATGTGGAAGTCTA
 TAATGTGTCATTGATTTTCTACAAATAGACTTCGACTTTTTAAATTGACTTTTGAATTGA
 CAATCTGAAAGAGTCTTCAATGATATGCTTGCAAAAATATATTTTATGAGCTGGTACTG
 ACAGTTACATCATAAATAACTAAAACGCTTTGCTTTTAAATGTTAAAGTTGTGCTTCACA
 TAAATAAACATATGGTCTGTGTAATAAAAAAAAAA

Restriction Sites: NotI-NotI

ACCN: NM_032802

Insert Size: 2000 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_032802.2.

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_032802.2](#), [NP_116191.2](#)

RefSeq Size: 2012 bp

RefSeq ORF: 2010 bp

Locus ID: 84888

UniProt ID: [Q8TCT8](#)

Cytogenetics: 15q21.2

Domains: PA, PSN, DUF435

Protein Families: Protease, Transmembrane

Gene Summary: This gene encodes a member of the GXGD family of aspartic proteases, which are transmembrane proteins with two conserved catalytic motifs localized within the membrane-spanning regions, as well as a member of the signal peptide peptidase-like protease (SPPL) family. This protein is expressed in all major adult human tissues and localizes to late endosomal compartments and lysosomal membranes. A pseudogene of this gene also lies on chromosome 15. [provided by RefSeq, Feb 2012]