

Product datasheet for SC114850

SPCS2 (NM_014752) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPCS2 (NM_014752) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPCS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114850 sequence for NM_014752 edited (data generated by NextGen Sequencing) <pre> ATGGCGGCGGCAGCTGTACAGGGCGGGAGAAGCGGTGGTAGCGGAGGCTGTAGTGGGGCT GGTGGTGCTTCCAAGTGCAGGACAGGAAGTGGCCGTAGCGGCTTGTGGATAAGTGGAAG ATAGATGATAAGCCTGTAAAAATTGACAAGTGGGATGGATCAGCTGTGAAAACTCTTTG GATGATTCTGCCAAAAAGGTACTTCTGGAAAAATACAAATATGTGGAGAATTTTGGTCTA ATTGATGGTCGCCTCACCATCTGTACAATCTCCTGTTTCTTGCCATAGTGGCTTTGATT TGGGATTATATGCACCCCTTTCCAGAGTCCAAACCCGTTTGGCTTTGTGTGTCATATCC TATTTTGTGATGATGGGGATTCTGACCATTTATACCTCATATAAGGAGAAGAGCATCTTT CTCGTGGCCACAGGAAAGATCCTACAGGAATGGATCCTGATGATATTTGGCAGCTGTCC TCCAGTCTTAAAAGTTTGTGACAAATACACCTTGAAGCTGACCTTCATCAGTGGGAGA ACAAAGCAGCAGCGGGAAGCCGAGTTTCAAAAGTCCATTGCTAAGTTTTTTGACCACAGT GGGACACTGGTCATGGATGCATATGAGCCTGAAATATCCAGGCTCCATGACAGTCTTGCC ATAGAAAGAAAAATAAGTAG </pre>

Clone variation with respect to NM_014752.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014752 unedited
 GTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGGCAGAGGCGGACAAGATGG
 CGGCGGCAGCTGTACAGGGCGGGAGAAGCGGTGGTAGCGGAGGCTGTAGTGGGGCTGGT
 GTGCTTCCAACGCGGGACAGGAAGTGGCCGTAGCGGCTTGTGGATAAGTGAAGATAG
 ATGATAAGCCTGTAAAAATTGACAAGTGGGATGGATCAGCTGTGAAAACTCTTTGGATG
 ATTCTGCCAAAAAGGTAATCTCTGAAAAATACAAATATGTGGAGAATTTTGGTCTAATTG
 ATGGTCGCCTCACCATCTGTACAATCTCTGTTTCTTTGCCATAGTGGCTTTGATTTGGG
 ATTATATGCACCCCTTTCCAGAGTCCAAACCCGTTTGGCTTTGTGTGCATATCCTATT
 TTGTGATGATGGGATTCTGACCATTATACCTCATATAAGGAGAAGAGCATCTTTCTCG
 TGGCCACAGGAAAGATCCTACAGGAATGGATCCTGATGATATTTGGCAGCTGTCCTCCA
 GTCTTAAAGGTTTGTGACAAATACACCTTGAAGCTGACCTTCATCAGTGGGAGAACAA
 AGCAGCAGCGGGAAGCCGAGTTCACAAAGTCCATTGCTAAGTTTTTACCACAGTGGGA
 CACTGGTCATGGATGCATATGAGCCTGAAATATCCAGGCTCCATGACAGTCTTGCCATAG
 AAAGAAAAATAAGTAGCAATTCTAAAAGTAGCCCTCTTCTCCTGGATCTTGCTGAAT
 TANTGGCTTGGGGGGTGGGGGAGATAAAAAGAACTTANATGGGGTAAGTAAGAAATGTTA
 AAAAGTCCTGTTTGTCTGAAATNTAGTCTATTCTGGTAATAAGATTTCTGACCAGATT
 GAGAAGTGTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014752 unedited
 CCACCCACCCCCCCCCACCCACCCCCCCCCACCCNNTTACTGTAGNCNCGCGGCC
 GCTATACTAAATCGAGTTTTTTTTTTTTTTTTTAAACATCTTCCTTTTATTGAAAA
 AAATTTAAAAAGGCAGTTAATAAAAGGCACAAACAAATCAACAGGGATATACTAGTGA
 AAACACAATATAAACTAAAATGCCATTGGCTTCTTAATTGGTTAAAGCAAAAATGTA
 ACAGGCAGAAAGTCTGTTTCAACAAATTAAGAGCTATGTGTTTTTAAATCTTCCCA
 AATCAGATATATACACCCACAAAAATAGTGTGTGAAGGAAAGCTGTCATACACAAAA
 GTTGATCCTGAATCTTCAAGGAAACACATATTGAAATAGGAATTAAGAGTCAGCAACA
 GATTAATAATTTTTTAAATGAGTCTTAAATGCTACATGGCCAAAGCTATACTATAT
 AAAGTACTGCTAGGTACAAAAGAAAAGTCTGTACAGCTTTAGCAAACTGCTTTCCCA
 GAAAAGCAAAATTAATAATGCAATCAGCAGATCAAGGAGACTACAGCTAGACATCAGAG
 CTACAATCTCATATCTGTGTCAGAAAATCCTATTTACCCAGAATAGACTAAAATTTCA
 GGACAAAACAGGGACCTTTTAAACATTTCTTACTTTACCCATTTAAGTCTTTTTATTT
 CCCCCACCCCCAAGCCACTAATTCACCAAGATCCAGGAGAAAGAGGCTACTTTTGTAG
 ATTGCCTACTTTATTTTTCTTTCTATGGCAAGCACTGTGATGGAGCCTGCATATTTCA
 GCTCATATGCATTCATGACCAGTGTCCCACTGTGGTCAAAAAATTTAACAATGGAAT
 TTTGTGACACTCGGTTCCCCGCTGTTGCTTTGT

Restriction Sites:

NotI-NotI

ACCN:

NM_014752

Insert Size:

1440 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:	<u>NM_014752.1, NP_055567.1</u>
RefSeq Size:	1370 bp
RefSeq ORF:	372 bp
Locus ID:	9789
UniProt ID:	<u>Q15005</u>
Cytogenetics:	11q13.4
Protein Families:	Protease, Transmembrane
Gene Summary:	Component of the microsomal signal peptidase complex which removes signal peptides from nascent proteins as they are translocated into the lumen of the endoplasmic reticulum. [UniProtKB/Swiss-Prot Function]