

Product datasheet for **SC101178**

SPON1 (NM_006108) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPON1 (NM_006108) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPON1
Synonyms:	f-spondin; VSGP/F-spondin
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC101178 sequence for NM_006108 edited (data generated by NextGen Sequencing)

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ATGAGGCTGTCCCGGCGCCCCTGAAGCTGAGCCGGACTCCGGNNCTGCTGGCCCTGGCG
CTGCCCTGGCCGCGGCGCTGGCCTTCTCCGACGAGACCTGGACAAAGTGCCCAAGTCA
GAGGGCTACTGCAGCCGTATCCTGCGCGCCAGGGCACGCGGCGGAGGGCTACACCGAG
TTCAGCCTCCGCGTGGAGGGCGACCCCGACTTCTACAAGCCGGGAACCAGCTACCGCGTA
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AACAGAGAGGGTGATAAGGAAGAAGACCATGCTGGGACCTTCCAGATCATAGACGAAGAA
GAAACTCAGTTTATGAGCAATTGCCCTGTTGCAGTCACTGAAAGCACTCCACGGAGGAGG
ACCCGGATCCAGGTGTTTTGGATAGCACCACCAGCGGGAACAGGCTGCGTGATTCTGAAG
GCCAGCATCGTACAAAAACGCATTATTTATTTTCAAGATGAGGGCTCTCTGACCAAGAAA
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GAATTGGGCTCACCCGTGAAAATGGAGGAAGAAAATTCGACAACAGAGTGATGAGTCCCTC
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GCATGCAATGTTTCATCTTGTAG
    
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Clone variation with respect to NM_006108.3
 44 c=>n;45 a=>n

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006108 unedited
TCTGNGATTTGTAATCGNACTCCTATAGGCGGCCGCGCAATTCGCACCAGGTCGCGGACG
CCAGCTCCGAGCTCCCTCTCTCCGCCGCGCCTCCGCCAGGTGCGCGCCTTCGTGCGGACCA
CTTCGGGCAGGAGTCCGCTGGCGAAGGCCCTGCGGCCGCGGCACAAAGTTGGGGCCGCGA
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CGCTGCCCTGGCCGCGCGCTGGCCTTCTCCGACGAGACCCTGGACAAAGTGCCCAAGT
CAGAGGGCTACTGCAGCGTATCCTGCGGCCAGGGCACGCGGCGGAGGGCTACACCG
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AGGCCAGCATCGTACAAAACGCATTATTTATTTCAAGATGAGGGCTCTCTGACCAAGA
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GTGCTGCGGAAGTCCAAAGTACAGACTCACTTTATGGGNATTGGTCCGAGNAGACACA
CCCAAGGATTACCCTCGTCGGCCCAACTGGTCTGCGATCATCGGNAGATCCCCTTCC
AGNATTATGTAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006108 unedited
CCCATTAGTTTGACCGTCGGCCGAATCTACGGAGCGGGTTTTTTTTTTTTTTTTTTTCA
TTTTTGCAGTAAAAATCTTTATTTCCAAAAGGATTTGTTAGCCAAAAGAACTATAAACC
ACCTAACAAAGACTTTGGTAAGAAAGAGACTTGATGCTTCTATAAATCCCATTGCAAA
CAAAAAATAACAATCCAACAAGAGTCATGTTACCCATTCTTAGCCATTAACCTGGTTTTA
AGTCTCCAAAATCAGGATTTTAAAATGTACCCAAGTGGGACCAATACAAACATGAGACA
CTAGGGTGGCTTGCTTATTAGGAATCACCAGCTTAAGGAACTTTATCATGGGCTGAG
AGTTAGATAGATAGCTTAGAACAACATTGCAAAAGTGGGTGCTTCTACATGAGGACTTTT
TTCCCCCAAGTAGAAAAATAATTAATCTTGTGTTTCTTTATATTGTGCTTTTTTTGGG
AGAAAGCAATTCATTTAAGGATTTAAAACATGTTGGATACAAAGGTAGTTCAGAGATGTA
CTAATGGTCCCTCTAGAACAAAGGAGCAGAAGTCTTATCTTTTATTGAAAATGATGGAG
TGGGAGGACAATATAAAAAGAGCCTTTTGACCATTCTTAGCTTTAAGACATGAAGGACC
CAGGGGGTTTTAATGAAAAGGCTTTTTCTGTGTTAAAGGACATATTTGGGCTTTCCTTTG
TTTGTATTTGCAAAATTTTGAAGTGGTTAAACCAACAAGTGGGGTTTTCAAGCCATGAT
TGGGTTTTCCCCGGGCCAACTTTGGATAAAACCAATAGGCCTTTAAGGAAAAGAGAACA
AAGTTTTTCATAATATTCTAAAAAATTTTGTGGCCCCCTGAAAGAGACTTTCCTCCCT
TGGGGGGAGCCCCCTAACGGGGTCATAAATTTGGAGAGGGGAACCTTGGGCCTCTTTAT
TTTTGGAGCCACCTCTTGGACCCCA

Restriction Sites:

NotI-NotI

ACCN:

NM_006108

Insert Size:

4700 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_006108.1 , NP_006099.1
RefSeq Size:	4755 bp
RefSeq ORF:	2424 bp
Locus ID:	10418
UniProt ID:	Q9HCB6
Cytogenetics:	11p15.2
Domains:	tsp_1, Reeler
Protein Families:	Secreted Protein
Gene Summary:	Cell adhesion protein that promotes the attachment of spinal cord and sensory neuron cells and the outgrowth of neurites in vitro. May contribute to the growth and guidance of axons in both the spinal cord and the PNS (By similarity). Major factor for vascular smooth muscle cell. [UniProtKB/Swiss-Prot Function]