

Product datasheet for **SC322595**

SPON2 (NM_012445) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPON2 (NM_012445) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPON2
Synonyms:	DIL-1; DIL1; M-SPONDIN; MINDIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322595
 GGAAGAGGGTGATCCGACCCGGGAAGGTCGCTGGGCAGGGCGAGTTGGGAAAGCGGCAG
 CCCCCCGCCCGCCGAGCCCCTTCTCCTCTTTCTCCACGTCCTATCTGCCTCTCGCT
 GGAGGCCAGGCCGTGACGATCGAAGACAGGAGGAACTGGAGCCTCATTGGCCGGCCCGG
 GGCGCCGGCTCGGGCTAAATAGGAGCTCCGGGCTCTGGCTGGGACCCGACCGCTGCCG
 GCCCGCTCCCCTGCTCCTGCCGGTGATGAAAAACCCAGCCCGCCGGCCGCCCTTTGGGGG
 CAAGCCCTCTGCGCTCTCCTCTGGCCACTCTCGGCGCCCGCCGACGCTCTTGGGGG
 AGAGTCCATCTGTTCCGCCAGAGCCCGGCCAAATACAGCATCACCTTACGGGCAAGTG
 GAGCCAGACGGCCTTCCCAAGCAGTACCCCTGTTCCGCCCCCTGCGCAGTGGTCTTC
 GCTGCTGGGGCCGCGCATAGCTCCGACTACAGCATGTGGAGGAAGAACCAGTACGTCAG
 TAACGGGCTGCGCAGTTTGGGAGCGCGGCGAGGCTGGGCGCTGATGAAGGAGATCGA
 GGCGCGGGGGAGGCGCTGCAGAGCGTGCACGAGGTGTTTTGGCGCCCGCCGTCGCCAG
 CGGCACCGGGCAGACGTCGGCGGAGCTGGAGGTGCAGCGCAGGCACTCGTGGTCTCGTT
 TGTGGTGCATCGTCCAGCCCGACTGGTTCGTGGGCGTGGACGCTGGACCTGTG
 CGACGGGACCGTTGGCGGGAACAGGCGGCGCTGGACCTGTACCCTACGACGCCGGGAC
 GGACAGCGGCTTACCTTCTCCTCCCAACTTCGCCACCATCCCGCAGGACACGGTGAC
 CGAGATAACGTCTCTCTCCAGCCACCCGGCCAACCTTCTACTACCCGCGGCTGAA
 GGCCCTGCCTCCCATCGCCAGGGTGACACTGCTGCGGCTGCGACAGAGCCCGAGGGCCTT
 CATCCCTCCCGCCAGTCTGCCCAGCAGGGACAATGAGATTGTAGACAGCGCTCAGT
 TCCAGAAACGCCGCTGGACTGCGAGGTCTCCCTGTGGTCTCTGGGACTGTGCGGAGG
 CCACTGTGGGAGGCTCGGGACCAAGAGCAGGACTCGTACGTCCGGTCCAGCCGCCAA
 CAACGGGAGCCCTGCCCGAGCTCGAAGAAGAGGCTGAGTGCCTCCCTGATAACTGCGT
 CTAAGACCAGACCCCGCAGCCCTGGGGCCCCCGGAGCCATGGGGTGTGCGGGGCTCC
 TGTGACGGCTCATGCTGCAGGCGCCGAGGGCACAGGGGTTTCGCGCTGCTCCTGACCG
 CGGTGAGGCCGCGCCGACCATCTCTGACTGAAGGGCCCTCTGGTGGCCGACGCGGCAT
 TGGGAAACAGCCTCCTCTTTCCCAACCTTGCTTCTTAGGGGCCCGTGTCCCGTCTGC
 TCTCAGCTCCTCCTCTGCAGGATAAAGTCATCCCAAGGCTCCAGCTACTCTAAATTA
 TGTCTCTTATAAGTTATTGCTGCTCCAGGAGATTGCTTTCATCGTCCAGGGCCTGGC
 TCCACGTTGGTTGCAGATACCTCAGACCTGGTGTCTAGGCTGTGCTGAGCCACTCTCC
 CGAGGGCCATCCAAGCGGGGGCCACTTGAGAAGTGAATAAATGGGGCGGTTTCGGAAGC
 GTCAGTGTTCATGTTATGGATCTCTCGCTTTGAATAAAGACTATCTCTGTTGCTCA
 CGAAA

Restriction Sites: Please inquire

ACCN: NM_012445

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_012445.1](#), [NP_036577.1](#)

RefSeq Size: 1807 bp

RefSeq ORF: 996 bp

Locus ID: 10417

UniProt ID: [Q9BUD6](#)

Cytogenetics: 4p16.3

Domains: tsp_1

Protein Families: Secreted Protein

Gene Summary: Cell adhesion protein that promotes adhesion and outgrowth of hippocampal embryonic neurons. Binds directly to bacteria and their components and functions as an opsonin for macrophage phagocytosis of bacteria. Essential in the initiation of the innate immune response and represents a unique pattern-recognition molecule in the ECM for microbial pathogens (By similarity). Binds bacterial lipopolysaccharide (LPS).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the same protein as variants 2 and 3.