

Product datasheet for SC115352

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115352 sequence for NM_012445 edited (data generated by NextGen Sequencing)

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ATGGAAAACCCAGCCCGCCGCCCTGGGCAAGCCCTCTGCGCTCTCCTCCTGGCC
ACTCTCGGCGCCCGCCGACGCTCTTGGGGGAGAGTCCATCTGTTCCGCCAGAGCCCG
GCCAAATACAGCATCACCTTACGGGCAAGTGGAGCCAGACGGCCTTCCCAAGCAGTAC
CCCCTGTTCCGCCCCCTGCGCAGTGGTCTTCGCTGCTGGGGGCCGCGCATAGCTCCGAC
TACAGCATGTGGAGGAAGAACCAGTACGTACGTAAACGGGCTGCGCGACTTTGCGGAGCGC
GGCGAGGCTGGGCGCTGATGAAGGAGATCGAGGCGGGGGAGGCGCTGCAGAGCGTG
CACGAGGTGTTTTCGGCGCCCGCCGTCACGCGGCACCGGGCAGACGTGCGGGAGCTG
GAGGTGCAGCGCAGGCACTCGTGGTCTCGTTTGGTGCATCGTGCCAGCCCCGAC
TGGTTCGTGGGCGTGGACAGCCTGGACCTGTGCGACGGGGACCGTTGGCGGGAACAGGCG
GCGCTGGACCTGTACCCCTACGACGCGGGACGGACAGCGGCTTACCTTCTCCTCCCC
AACTTCGCCACCATCCCGCAGGACACGGTGACCGAGATAACGTCCCTCCTCCCAGCCAC
CCGGCCAACTCCTTCTACTACCCGCGGCTGAAGGCCCTGCCTCCCATCGCCAGGGTGACA
CTGCTGCGGCTGCGACAGAGCCCCAGGGCCTTCATCCCTCCCGCCCCAGTCTGCCAGC
AGGGACAATGAGATTGTAGACAGCGCCTCAGTTCAGAAACGCCGCTGGACTGCGAGGTC
TCCCTGTGGTCTCCTGGGACTGTGCGGAGGCCACTGTGGGAGGCTCGGGACCAAGAGC
AGGACTCGCTACGTCCGGTCCAGCCCGCAACAACGGGAGCCCTGCCCGAGCTCGAA
GAAGAGGCTGAGTGCCTCCCTGATAACTGCGTCTAA

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Clone variation with respect to NM_012445.3
365 c=>a;724 g=>c



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012445 unedited
 NGGTGTCGGAATTTGTATACGACTCCTATAGGCGGCCGNAATCGGCACCANAGAGGTG
 ATCCGACCCGGGAAGGTCGCTGGGCAGGGCGAGTTGGGAAAGCGGCAGCCCCCGCCG
 CCCGCAGCCCCTTCTCCTCTTTCTCCACGTCCTATCTGCCTCTCGCTGGAGGCCAGGC
 CGTGCAGCATCGAAGACAGGAGAACTGGAGCCTATTGGCCGGCCGGGGCGCCGGCCT
 CGGGCTTAAATAGGAGCTCCGGGCTCTGGCTGGGACCCGACCCTGCCGGCCGCTCCC
 GCTGCTCCTCGGGTGATGAAAACCCAGCCCGCCGCGCCCTGGGCAAGGCCCTCT
 GCGCTCTCCTCGGCCACTCTCGGCGCCGCGCCAGCCTCTTGGGGGAGAGTCCATCT
 GTTCCGCCAGAGCCCGCCAAATACAGCATCACCTTCACGGGCAAGTGGAGCCAGACGG
 CCTTCCCCAAGCAGTACCCCTGTTCCGCCCCCTGCGCAGTGGTCTTCGCTGCTGGGG
 CCGCGCATAGCTCCGACTACAGCATGTGGAGGAAGAACCAGTACGTACGTAAACGGCTGC
 GCGACTTTGCGGAGCGCGCGAGGCCTGNGCGTGTGAAGGAGATCGAGGCGCGGNGG
 AGGCGTGCANAGCGTGCACGAGGTGTTTTCGGCGCCCGCTCCCAGCGGCACCGGGC
 AGACGTGGCGGAGCTGGAGGTGCAGCGCANGCACTCGTGGTCTCGTTTGTGTGCGCAT
 CGTGCCAGCCCGACTGGTTCGTGGGCGTGGACAGCCTGGACCTGTGCGACGNNGNACC
 GTTGCGGGAACAGNCGNCTGNACCTGTACCCCTACGACGCCGNACGACAAGCGCTT
 CACCTTCTCTCCCAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012445 unedited
 GTACAAAACGCTTTTAGGTCGAGTTAAAATCTTTTTTTTTGTGAGCAACAGAGAAGTCT
 TTATTCAAACGCAGGAAAGATCCATAACATGGAACACTGACGCTCCGAAACGCCCCA
 TTTATTCACTTCTCAAGTGGCCCCGCTTGGATGCGCCCTCGGGAGAGTGGGCTCAGCAC
 AGCCTAGAGCACCAGGTCTGAGGTTNCCTCAATCACGTGGGAGCCAGGCCCTGGACGAT
 GAAGGACAATCTCCTGGAGCAGCAATAACTTATAAGGAGACATAATTTAGAGTAGCTGGA
 GCCTTGGGGATGACTTTATCCTGCAAGGAGGAGGAGGCTGAGAGCAGACGGGACACGGGG
 CCCCTAAGAAGCAAGGTTGGAAAGGAGGAGGCTGTTCCCAATGCCCGTCCCGCCACC
 AGAGGGCCCTTCAGTGCAGAGATGGTCGGCGCGCCCTACCGCGGTGAGGAGCAGCGCA
 AACCCCTGTGCCCTCGGCCGCTGCAGCATGAGCCTGCACAGGAGCCCCGACACCCCA
 TGGCTCCGGGGGGCCCCAGGGGCTGCGGGGCTCTGGTCTTAGACGCAGTTATCAGGGACG
 CACTCAGCCTCTTCTCGAGCTCGGGGCAGGGGCTCCCGTTGTTGGCGGGCTGGACCCGG
 ACGTAACGAGTCTGCTTTGTCCCGAGCCTCCACAGTGGGCTCCGCCAGTCCCCAGACG
 ACCACAGGAGACCTCGCATCCAGCGGGGTTTCTGAAGTGGGGCTGGCTAAATCTATTGG
 CCCTGCTGGCAGGACTGGGGGAGGGATGAAGGCCTGGGGCTTTGCCCGCCCAACATG
 TCCCCCTGTCATGGAGGCGGGCCTTCCCCCGGGTATTATAAGAATGGCCGCGGCTGGG
 AAAGGAGGCTTTTTTGCCTCCGGTCTCGCCGAGTGGCCAAGTGGGCGGCAATCCAAAC
 TCTCTTA

Restriction Sites:

NotI-NotI

ACCN:

NM_012445

Insert Size:

1990 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: [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.