

Product datasheet for **MR210767**

Spon1 (NM_145584) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spon1 (NM_145584) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spon1
Synonyms:	AI666765; AW455831; BC020531; D330035F22Rik; FSP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210767 representing NM_145584
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCTGTCTCCCGTGTCCCTGAGGCTTAGCCGGGGTCCGGCGCTGCTGGCCCTCGCGCTGCCCTGG
 CCGCAGCGCTAGCTTTCTCAGATGAGACCCTGGACAAAGTGACCAAGTCGGAGGGCTACTGCAGCCGCAT
 CTTGCGCGCCACAGGCACACGGCGTGAGGGATACACGGAGTTCAGCCTCCGCGTGGAAAGCGACCCTGAC
 TTCTATAAGCCAGGAAGCAGCTACCGAGTGACACTTTCGGCTGCTCCTCCCTCTACTTCAGAGGTTTCA
 CGTTAATTGCCCTCAAAGAGAACCAGGAGGGAGATAAGGAAGAAGATCATGCAGGCACCTTCAGATCAT
 AGATGAGGAAGAGACCCAGTTTATGAGTAACTGTCCTGTGGCCGTCCTGAAAGCACCCCTCGGAGGAGG
 ACACGGATCCAGGTGTTTTGGATAGCGCCACCAACAGGGACAGGCTGTGTATTCTGAAGCCAGCATTG
 TACAGAAACGCATAATTTATTTTCAAGACGAGGGCTCCCTGACCAAGAAGCTGTGTGAACAGGATCCAC
 ACTTGATGGGGTGACGGACAGACCATCTTAGACTGCTGCGCCTGTGAACTGCCAAGTACAGACTCAGG
 TTTTATGGGAAGTGGTCCGAGAAGACTCATCCGAAGGATTACCCTCGTCGGGCTAACCACTGGTCTGCCA
 TCATTGGTGGGTCCCACTCCAAGAACTACGTGCTGTGGGAGTATGGAGGGTATGCCAGCGAAGGGGTCAA
 GCAAGTTGCTGAACTGGGCTCACCAGTAAAAATGGAGGAAGAAATTCGACAAACAGAGTGTGAAGTCCTC
 ACTGTCATCAAAGCCAAAGCCAGTGGCCAGCCTGGCAGCCTGTCAATGTGAGAGCAGCACCCCTCAGCTG
 AATTCTCAGTGGACAGGACACGCCACTTGTATGCTTCTCCACCATGATGGGCCCCAGTCCAGACTGGAA
 CGTGGGCCATCTGCAGAGGATCTGTGCACCAAGGAGTGTGGTGGTCCAGAAAGTGTGCAGGACCTG
 ATTCCTGGGATGCTGGCACTGACAGCGCGTACCTATGAGTCAACCAAGCCACAATTCTCAGG
 AAAAAATCCGACCCCTGACTAGTCTGGATCATCTCAGAGTCTTTCTATGACCCAGAAGTGGTCCAT
 CACACAAGTGGCCAGAGTCGTATCGAGAGAATTGCCCGAAGGAGAACAGTGAACATTGTACCTGAC
 AACGTGGACGATATTGTAGCCGACCTGGCTCCAGAAGAGAAGATGAAGTACACCCCTGAAACCTGCA
 TCTACTCCAAGTGGTCCCATGCTCGGCTGCAGCTCTTCCACTGTGAAAAGGGCAAGAGGATGCGGCA
 GCGCATGCTGAAGGCACAGCTGGACCTCAGTGTCCCTGTCTGACACCCAGGACTTCCAGCCCTGCATG
 GGCCAGGCTGCAGCGATGAAGATGGCTCCACCTGTACCATGTGCGGAGTGGATCACCTGGTGCCTGTA
 GCGTCTCGTGGGATGGGATGAGTCCCGGAGAGATACGTGAAGCAGTTCGCGAAGACGGCTCAGT
 GTGCATGCTGCCACGGAGGAGACGGAGAAGTGCACAGTCAACGAGGAGTGTCTCTAGCAGCTGCCTG
 TGACTGAGTGGGGTGTGAGTGGGACGACTGCAGTCCACCTGTGGGATGGGTATGAAGAAGAGGCACCGTA
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 GCCTGAGTGCCATACCATCCCGTGTCTGTCTCCCTGGTCCGAGTGGAGCGACTGTAGCGTGACCTGT
 GGAAGGGCATGCGGACCCGCCAGCGGATGCTCAAATCTCTGGCAGAGCTGGGTGACTGTAAACGAGGACC
 TGGAGCAGGCGGAGAAGTGCATGCTGCCAGAATGCCCAATTGACTGTGAACTCAGCGAGTGGTCCCAGTG
 GTCTGAATGTAACAAGTCATGTGGGAAAGGTCACATGATTCGAACCCGGACAATCCAATGGAACCTCAG
 TTTGGGGTGTACCCTGCCAGAGACTGTGCAACGCAAGAAGTCCCGCACCCGAAATGCCTTCGAGCC
 CATCAGTCCAGAAGCTGCGCTGGAGGGAGGCCGAGAGAGCAGGAGGAGTGAAGCAGTGAAGAGAAGATC
 AGATGGAGAGCAGTTCCAGGCTGTGCAATGCGCCCGTGGACAGCCTGGTCAAGATGCACCAAACTGTGC
 GGAGGTGGGATCCAAGAGCGCTACATGACTGTGAAGAAGAGGTTCAAAGCTCCAGTTTACCAGCTGCA
 AAGACAAGAAGGAGATCAGAGCGTGCAACGTGCACCCCTTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210767 representing NM_145584
Red=Cloning site Green=Tags(s)

MRLSPVSLRLSRGPALLALPLAAALAFSDETLDKVTKSEGYCSRILRAQGTRREGYTEFSLRVEGDPD
FYKPGSSYRVTL SAAPPSYFRGFTLIALKENQEGDKEDHAGTFQIIDEETQFMSNCPVAVTESTPRRR
TRIQVFWIAPPTGTGCVILKASIVQKRIIYFQDEGSLTKKLCEQDPTLDGVTDRPILDCCACGTAKYRLT
FYGNWSEKTHPKDYPRRANHWSAIIIGGSHSKNYVLWEYGGYASEGVKQVAELGSPVKMEEEIRQQSDEVL
TVIKAKAQWPAWQPVNVRAAPSAEF SVDTRHLMSFLTMMGSPDWNVGLSAEDLCTKECGWVQKVVDL
IPWDAGTDSGVTYE SPNKPTIPQEKIRPLTSLDHPQSPFYDPEGGSITQVARVVIERIARKGEQCNI VPD
NVDDIVADLAPEEKDEDDTPETCIYSNWSPWSACSSTCEKGKRMQRMLKAQLDLSVPCPDTQDFQPC
GPGCSDDEDGSTCTMSEWITWSPCSVSCGMGMSRERYVKQFPEDGSVCMLPTEETEKT VNEECSPSSCL
VTEWGEWDDCSATCGMGMKRRHRMVKMSPADGSMCKAETSQAEEKMMPECHTIPCLLSPWSEWSDCSVTC
GKGMTRQRMLKSLAELGDCNEDLEQAEEKMLPECPIDCELSEWSQWSECNKSCGKGHMIRTRTIQMEPQ
FGGVPCPETVQRKKCRTRKCLRSPSVQKLRWREARESRSEQLREESDGEQFPGCRM RPWTAWSECTKLC
GGGIQERYMTVKKRFKSSQFTSCKDKKEIRACNVHPC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9005_h11.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_145584

ORF Size: 2421 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_145584.2](#), [NP_663559.1](#)

RefSeq Size: 6166 bp

RefSeq ORF: 2424 bp

Locus ID: 233744

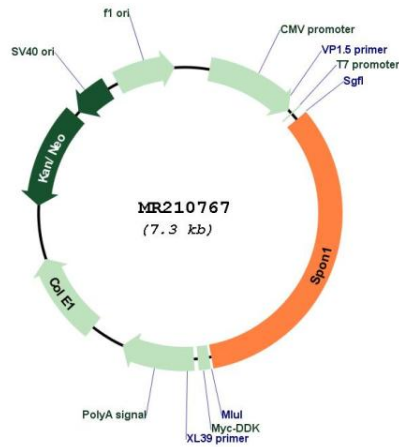
UniProt ID: [Q8VCC9](#)

Cytogenetics: 7 F1

MW: 91.3 kDa

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).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210767