

Product datasheet for MC229559

Spag9 (NM_001199203) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spag9 (NM_001199203) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spag9
Synonyms:	3110018C07Rik; 4733401I23Rik; 4831406C20Rik; AW552012; Jip4; JLP; JSAP2; JSAP2a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC229559 representing NM_001199203 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCTGGAGGACGGTGTGGTATACCAGGAGGAGCCCGGAGGCTCCGGGGCCGTGATGTGAGAGCGGG
TGTCGGGCTGGCCGGCTCCATCTACCGCGAGTTCGAGCGGCTCATCGGGCGCTACGATGAGGAGGTGGT
CAAGGAGCTGATGCCACTGGTGGTGGCCGTGCTGGAGAACCTGGACTCGGTGTTCCGCGCAGGACCAGGAG
CACCAGGTGGAGCTGGAGCTGCTGCGGGACGACAACGAGCAGCTCATCACCAGTACGAGCGGGAGAAGG
CGCTGCGCAAGCAGCCGAGGAGAAATTCATTGAATTTGAAGACTCTCAAGAACAGGAAAAAAGGATTT
ACAGACGCGAGTGGAGTCTCTAGAATCTCAAACAAGACAACCTTGAACCTAAAGCAAAAACTATGCTGAC
CAGATCAGCAGACTTGAAGAGAGAGAAGCAGAAGTGAAGAAGGAATATAATGCACTGCATCAGAGACACA
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ACTAGAGGCTACAGCTCATAGTAGAATTAGAAAAGAACGTCCTATATCATTAGGGATTTCCCTCTACCT
GCTGGAGATGGATTGCTTACACCTGACACTCAGAAAGGAGGCGAGACCCAGGATCAGAGCAATGGAAT
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GCAAAATCAGACGTATCAGCAATTCCTCCTGATACTCCGTCAAAGGAAGATAATGAAGGATTTGTAAGG
GCACAGATACATCAAATAAGTCAGAGATAAGCAAACACATAGAAGTCCAGGTTGCCCAAGAGACTAGGAA
TGTGTCTACAGAATCTGGTGAAGTGAAGAGAAATCAGAAGTTCAGCAATCATTGAATCCACTCTGAA
TTGGATATGGACAAAGACCTCAGTGGATATAAAGGTTCAAGCACTCCACCAAAGGCATAGAGAACAAAG
CTTTTGATCGCAATACAGAATCTCTCTTTGAAGAGCTGTCCTCAGCTGGCTCGGGCCTTATTGGAGATGT
GGATGAAGGAGCGGATTTACTAGGAATGGGTCGTGAGGTGGAGAATCTCATACTGGAGAACACAGCTG
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AGAAGGACGTGCTGCAGGGGAGCTGGAGGCTGTGAAGCAAGCCAAGCTGAAGCTGGAGGACAAGAACAG
AGAGCTGGAGGAGGAGCTCAGGAAAGCTCGTGCAGAAGCTGAAGATGCAAGGCAAAAGCAAAAGACGAT



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GATGATAGTGACATTCCCACAGCCCAGAGGAAGAGGTTTACCAGAGTAGAAATGGCCGAGTTCTCATGG
 AGAGAAACCAGTACAAAGAGAGGCTGATGGAGCTTCAAGAAGCTGTTTCGATGGACGGAGATGATCCGGGC
 CTCACGAGAGAACCCAGCTATGCAAGAAAAAGGTCAGCATCTGGCAATTTTTAGCCGACTTTTT
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 ACGTGACTCCCTCCGTGAAGAAAAGGAGCAGCACTTTATCTCAGCTCCCTGGGGACAAGTCCAAGGCATT
 TGATTTCTCAGTGAGGAACTGAGGCTAGTTTAGCCTCCCGCAGAGAGCAAAAGAGAGAGCAGTATCGG
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 ACAACACAGGTAGCCAATGGTCAAGGGGAACTAAGATGAAAAATTTACCTGTGCCTGTCTATCTCAGACC
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 ATCATCATTGATGCTGTTAGCCTGGCAACATCCTAGATAGTTTCACTGTTTGAATTTCTATGTTCTGT
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 GGTAGACAAAGCGTCATTGTGTGAAGCATGACCAGTAACAGCTCCGAGAGATGGACAGCTTGCTGGGA
 GGCATCACAGTGGTGGGTGCTCCACAGAAGGACTGACAGGAGCTGCCACTTCCCAAGTACCAACGGTG
 CTTCTCCTGTGATTGAAAAGCCACCAGAAATGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
 AGCAGAAGAAGCAACTGAAGCCACAGAGGGCAATGCAGGGTCCACTGAAGACACTGTGGACATCTCCAG
 CCTGGCGTGTACACAGAGCATGTGTTTACAGATCCACTGGGAGTTCAGATCCCAGAAGACCTCTCCCGAG
 TGTTTCAGTCAAGTAATGACTCAGATGTGTACAAAGATCAAAATATCAGTATTGCCAAATGAACAAGACCT
 TGCGAGAGAAGAAGCTCAGAAAAAGTAGTGTCTTTTACCAACCATGTGGCTTGGAGCTCAGAATGGCTGT
 TTGTATGTCCACTCATCTGTAGCCAGTGGAGGAAATGTCTCCATTCCATTAAGCTCAAAGACTCAATTC
 TCAGTATTGTACATGTGAAAGGAATTGTACTAGTGGCCCTGGCGGATGGACCCCTTGAATCTTCCACAG
 AGGAGTTGATGGACAATGGGATCTGTCAAATATCACCTTTTAGACCTTGGAGCTCTCATCATTCATCCATA
 CGATGCATGACTGTGGTACATGACAAAGCTGGTGTGGCTATAGGAACAAAATCTATGTGGTTCAACCAA
 AGGCTATGAAGATAGAGAAATCATTTGATGCACACCCAGGAAGGAGAGCAAGTACGGCAGCTTGCATG
 GGTGGGTGATGGTGTATGGGTCTCCATTGCTTTGGATTCCACGCTCCGCCTCTATCATGCACACACATAC
 CAACATCTCCAGGATGTGGATATTGAGCCTTATGTAAGCAAAATGTTAGGTAAGTGGAAACTGGGTTTCT
 CTTTCGTGAGGATAACAGCTCTTATGGTGTCTTGAATCGTTTGTGGGTGGGACTGGAAATGGTGTCTAT
 TATCTCCATCCCACTGACAGAAACAAATAAACCTCAGGGACTCCAGGTAACCGTCTGGAAGTGAATC
 CGTGTATATGGTGTGAGAACAGTGATAAAGTACTCCAGGGACATTTATACCCTACTGTTCAATGGCAC
 ATGCACAGCTTTGTTTCCACGGGCACCGGATGCTGTGAAATTCTTTGTGGCAGTCCCAGGTGAGTGCAT
 TAGCCCAAAAGTAGCAGTGGTGGGCAGATCTTACAGCTGACAAGGCAGGGTCACTGTCACAGGAGCCC
 AGTAGCCAGACGCCCTTGAAGTCCATGCTGTGCATCAGTGGAGGAGAGGGCTACATTGACTTCCGGATGG
 GTGATGAAGGTGGAGAATCTGAACCTCTGGGAGAGGATCTTCCACTGGAACCTTCAGTCACCAAGCCGA
 GAGGAGTCACCTGATAGTGTGGCAAGTATGTGTGGCAATGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001199203
Insert Size:	3966 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001199203.1</u> , <u>NP_001186132.1</u>
RefSeq Size:	7392 bp
RefSeq ORF:	3966 bp
Locus ID:	70834
UniProt ID:	<u>Q58A65</u>
Cytogenetics:	11 D
Gene Summary:	The JNK-interacting protein (JIP) group of scaffold proteins selectively mediates JNK signaling by aggregating specific components of the MAPK cascade to form a functional JNK signaling module (PubMed:12391307, PubMed:15767678). Regulates lysosomal positioning by acting as an adapter protein which links PIP4P1-positive lysosomes to the dynein-dynactin complex (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (5) represents the longest transcript and encodes the longest isoform (5).