

Product datasheet for MC229557

Spag9 (NM_001199204) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spag9 (NM_001199204) Mouse Untagged Clone
Tag: Tag Free
Symbol: Spag9
Synonyms: 3110018C07Rik; 4733401I23Rik; 4831406C20Rik; AW552012; Jip4; JLP; JSAP2; JSAP2a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229557 representing NM_001199204
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCTGGAGGACGGTGTGGTATACCAGGAGGAGCCCGGAGGCTCCGGGGCCGTGATGTCAGAGCGGG
 TGTCGGGCTGGCCGGTCCATCTACCGCGAGTTCGAGCGGCTCATCGGGCGCTACGATGAGGAGGTGGT
 CAAGGAGCTGATGCCACTGGTGGTGGCCGTGCTGGAGAACCTGGACTCGGTGTTCCGCGCAGGACCAGGAG
 CACCAGGTGGAGCTGGAGCTGCTGCGGGACGACAACGAGCAGCTCATCACCAGTACGAGCGGGGAGAAGG
 CGCTGCGCAAGCACGCCGAGGAGAAATTCATTGAATTTGAAGACTCTCAAGAACAGGAAAAAAGGATTT
 ACAGACGCGAGTGGAGTCTCTAGAATCTCAAACAAGACAATTGAACTCAAAGCAAAAAACTATGCTGAC
 CAGATCAGCAGACTTGAAGAGAGAGAAGCAGAAGTGAAGAAGGAATATAATGCACTGCATCAGAGACACA
 CTGAGATGATCCATAATTATATGGAACACTTAGAAAGAACCAAATTCATCAGCTCTCAGGGAGTGATCA
 ACTAGAGGCTACAGCTCATAGTAGAATTAGAAAAGAACGTCCTATATCATTAGGGATTTCCCTCTACCT
 GCTGGAGATGGATTGCTTACACCTGACACTCAGAAAGGAGGCGAGACCCAGGATCAGAGCAATGGAAAT
 TTCAAGAATTAAGTCAACCAGTCTCATACCAGCCTGAAGGATGAACTTCTGATATTAGTCAAGGTGG
 ATCTAAAGCTACCACTCCAGCTTCAACAGCAAATTCAGACGTATCAGCAATTCCTCTGACTACTCGGTCA
 AAGGAAGATAATGAAGGATTTGTAAAAGGCACAGATACATCAAATAAGTCAGAGATAAGCAAACACATAG
 AAGTCCAGGTTGCCCAAGAGACTAGGAATGTGTCTACAGAATCTGGTGAAGTGAAGAGAAATCAGAAGT
 TCAAGCAATCATTGAATCCACTCCTGAATTGGATATGGACAAAGACCTCAGTGGATATAAAGGTTCAAGC
 ACTCCACCAAAGGCATAGAGAACAAGCTTTTGATCGCAATACAGAATCTCTCTTTGAAGAGCTGTCTCT
 CAGCTGGCTCGGGCCTTATTGGAGATGTGGATGAAGGAGCGGATTTACTAGGAATGGGTCGTGAGGTGGA
 GAATCTCATACTGGAGAACACACAGCTGCTGGAAACAAAACGCTCTGAATGTAGTGAAGAATGACTTA
 ATAGCCAAAGTGGATGAGCTGACCTGTGAGAAGGACGTGCTGCAGGGGGAGCTGGAGGCTGTGAAGCAAG
 CCAAGCTGAAGCTGGAGGACAAGAACAGAGAGCTGGAGGAGGAGCTCAGGAAAGCTCGTGCAGAAGCTGA
 AGATGCAAGGCAAAAAGCAAAAGACGATGATGATAGTGACATTCCACAGCCAGAGGAAGAGGTTTACC
 AGAGTAGAAATGGCCCGAGTTCTCATGGAGAGAAACCAGTACAAAGAGAGGCTGATGGAGCTTCAAGAAG



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CTGTTTCGATGGACGGAGATGATCCGGCCCTCACGAGAGAACCCAGCTATGCAAGAAAAGAAAAGGTCAAG
 CATCTGGCAATTTTTAGCTCTTCAAGTAATGCAACAAAAGAGCCTGAACCCCTGTT
 AACCTGAAGTACAACGCCCCACCTCTCACGTGACTCCCTCCGTGAAGAAAAGGAGCAGCACTTTATCTC
 AGCTCCCTGGGGACAAGTCCAAGGCATTTGATTTCTCAGTGAGGAACTGAGGCTAGTTTAGCCTCCCG
 CAGAGAGCAAAAGAGAGAGCAGTATCGGCAGGTGAAGGCTCACGTTTCAAGGAAGATGGCCGAGTGCAA
 GCTTTTCGGCTGGAGTCTGCCTCAGAAGTACAAACAGGTAGCCAATGGTCAAGGGGAACTAAGATGAAAA
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 AGGAGTCAATTTATCTGGTGGCAAGACAAGAGATGGCGGGTCTGTTGTTGGAGCGAGTGTATTTTACAAG
 GATATTGCTGGTTTGGACACTGAAGGCAGTAAACAGCGGAGTGCCTCTCAGAGTAGTTTAGACAAGTTGG
 ATCAAGAACTCAAGGAACAGCAGAAAAGAAATTTAAAAATCAAGAAGAGTTGTCCAGTCAGGTCTGGATCTG
 TACCAGCACCCACTCAACTACAAAGTTATCATCATTGATGCTGTTTCCAGCTGGCAACATCTTAGATAGT
 TTCCTGTTTGAATTCATGTTCTGTGCATTGCCAGTGTCCAGGAGCTCGGGAACAGACTACCCTG
 CAGGAGAAGAAGTTCTGAATCTGGTCAAGTACAAAGCGTATTGTGTGAAGCATGACCAGTAACAG
 CTCCGCAGAGATGGACAGCTTGTGGGAGGCATCACAGTGGTGGGTGCTCCACAGAAGGACTGACAGGA
 GCTGCCACTTCCCAAGTACCAACGGTGTCTCCTGTGATTGAAAAGCCACCAGAAATGAAAAGTAAAA
 ATAGCGAAGTTGATGAAAATATTCACACAGCAGAGAAGCAACTGAAGCCACAGAGGGCAATGCAGGGTC
 CACTGAAGACACTGTGGACATCTCCAGCCTGGCGTGTACACAGAGCATGTGTTTACAGATCCACTGGGA
 GTTCAGATCCCAGAAGACCTCTCCCAAGTGTTCAGTCAAGTAATGACTCAGATGTGTACAAAGTACAAA
 TATCAGTATTGCCAAATGAACAAGACCTTGCAGAGAGAAGGCTCAGAAAATGAGTAGTCTTTTACCAAC
 CATGTGGCTTGGAGCTCAGAATGGCTGTTTGTATGTCCACTCATCTGTAGCCAGTGGAGGAAATGTCTC
 CATTCCATTAAAGTCAAAGACTCAATTCAGTATTGTACATGTGAAAGGAATGTAAGTGGCCCTGG
 CGGATGGCACCCTTGAATCTTCCACAGAGGAGTTGATGGACAATGGGATCTGTCAAACATCACCTTTT
 AGACCTTGGACGTCCTCATCATTCCATACGATGCATGACTGTGGTACATGACAAAGTCTGGTGTGGCTAT
 AGGAACAAAATCTATGTGGTCAACCAAAGGCTATGAAGATAGAGAAAATCATTGATGCACACCCAGGA
 AGGAGAGCCAAGTACGGCAGCTTGCATGGTGGGTGATGGTGTATGGGTCTCCATTGTTGGATCCAC
 GCTCCGCCTCTATCATGCACACACATACCAACTCTCCAGGATGTGGATATTGAGCCTTATGTAAGCAAA
 ATGTTAGTACTGGAAAAGTGGGTTTCTTTCTGAGGATAACAGCTCTTATGGTGTCTTGAATCGTT
 TGTGGGTGGGACTGAAATGGTGTATTATCTCCATCCACTGACAGAAAACCGTAATCTCCACCAGGG
 ACGTTTACTGGGGCTAAGGGCAAATAAAACCTCAGGGACTCCAGGTAACCGTCTGGAAGTGAATCCGT
 GTATATGGTGTGAGAACAGTGATAAAGTACTCCAGGGACATTTATACCCTACTGTTCAATGGCACATG
 CACAGCTTTGTTTCCACGGGCACCGGGATGCTGTGAAATCTTTGTGGCAGTCCCAGGTCAGGTCATTAG
 CCCACAAAGTAGCAGTGGTGGGGCAGATCTTACAGCTGACAAGGCAGGGTCATCTGCACAGGAGCCAGT
 AGCCAGACGCCCTTGAAGTCCATGCTTGTGCATCAGTGGAGGAGAGGGCTACATTGACTTCCGGATGGGTG
 ATGAAGGTGGAGAATCTGAACTTCTGGGAGAGGATCTTCCACTGGAACCTTCAGTCACCAAAGCCGAGAG
 GAGTCACTGATAGTGTGGCAAGTATGTGTGGCAATGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001199204
- Insert Size:** 3963 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.

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| 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: | <u>NM_001199204.1</u> , <u>NP_001186133.1</u> |
| RefSeq Size: | 7389 bp |
| RefSeq ORF: | 3963 bp |
| Locus ID: | 70834 |
| UniProt ID: | <u>Q58A65</u> |
| Cytogenetics: | 11 D |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (6) has multiple differences in the coding region, compared to variant 5, which results in a shorter isoform (6), compared to isoform 5.</p> |