

Product datasheet for **MC202708**

Spag9 (NM_001025430) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spag9 (NM_001025430) Mouse Untagged Clone
Tag: Tag Free
Symbol: Spag9
Synonyms: 3110018C07Rik; 4733401I23Rik; 4831406C20Rik; AW552012; Jip4; JLP; JSAP2; JSAP2a
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC060100 sequence for NM_001025430
 AGCAGCTGAATGACAGATCCTCACTACAAGATACCCTTTTGGCCCTGTGTAGGCCCTCTGGTTCCGGAC
 ATTTCCACATGCCAGCACAGCGCCATGAATCCTGGATGCATGCTGTTTGTGTTGGCTTTTGTGGCG
 GGGCGGTGGTCATTAATTCTGCGATCTTAGTATCTCTCTCTGTTTTGCTGCTTGTGCACTTTTCTATTTT
 TACCGGGTGCCAGCGCTGACGCAGAACCTACCAAGGATACTCAGAAAAGAACGTCCTATATCATTAGGG
 ATTTTCCCTCTACCTGCTGGAGATGGATTGCTTACACCTGACACTCAGAAAGGAGGCGAGACCCAGGAT
 CAGAGCAATGGAAATTTCAAGAATTAAGTCAACCACGTTCTCATACCAGCCTGAAGGATGAACCTTTCTGA
 TATTAGTCAAGGTGGATCTAAAGCTACCACTCCAGCTTCAACAGCAAATTCAGACGTATCAGCAATTCCT
 CCTGATACTCCGTCAAAGGAAGATAATGAAGGATTTGTAAAAGGCACAGATACATCAAATAAGTCAGAGA
 TAAGCAAACACATAGAAGTCCAGGTTGCCAAGAGACTAGGAATGTGTCTACAGAATCTGGTGAAAATGA
 AGAGAAATCAGAAGTTCAAGCAATCATTGAATCCACTCCTGAATTGGATATGGACAAAGACCTCAGTGGA
 TATAAAGGTTCAAGCACTCCACCAAAGGCATAGAGAACAAGCTTTTGATCGCAATACAGAATCTCTCT
 TTGAAGAGCTGTCTCAGCTGGCTCGGGCCTTATTGGAGATGTGGATGAAGGAGCGGATTTACTAGGAAT
 GGGTCTGTGAGGTGGAGAAATCTCATACTGGAGAACACACAGCTGCTGGAACCAAAAACGCTCTGAATGTA
 GTGAAGAATGACTTAATAGCCAAAGTGGATGAGCTGACCTGTGAGAAGGACGTGCTGCAGGGGGAGCTGG
 AGGCTGTGAAGCAAGCCAAGCTGAAGCTGGAGGACAAGAACAGAGAGCTGGAGGAGGAGCTCAGGAAAGC
 TCGTGCAGAAGCTGAAGATGCAAGGCAAAAAGCAAAAGACGATGATGATAGTGACATTCACACAGCCAG
 AGGAAGAGGTTTACCAGAGTAGAAATGGCCCGAGTTCTCATGGAGAGAAACCAGTACAAAGAGAGGCTGA
 TGGAGCTTCAAGAAGCTGTTTCGATGGACGGAGATGATCCGGCCCTCACGAGAGAACCAGCTATGCAAGA
 AAAGAAAAGGTCAAGCATCTGGCAATTTTTCAGCCGACTTTTTAGCTCTTCAAGTAAATGCAACAAAAGAA
 CCTGAACCCCTGTTAACCTGAAGTACAACGCCCCACCTCTCACGTGACTCCCTCCGTGAAGAAAAGGA
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 TAGTTTAGCCTCCCGCAGAGAGCAAAAGAGAGAGCAGTATCGGCAGGTGAAGGCTCACGTTCAGAAGGAA
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 AAACAAAGATGAAAAATTTACCTGTGCCTGTCTATCTCAGACCACTAGACGAAAAAGATGCGTCTATGAA
 GCTGTGGTGTGCTGTAGGAGTCAATTTATCTGGTGGCAAGACAAGAGATGGCGGGTCTGTTGTTGGAGCG
 AGTGTATTTTACAAGGATATTGCTGGTTTGGACACTGAAGGCAGTAAACAGCGGAGTGCCTCAGAGTA



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GTTTAGACAAGTTGGATCAAGAAGCTCAAGGAACAGCAGAAAGAATTTAAAAATCAAGAAGAGTTGTCCAG
 TCAGGTCTGGATCTGTACCAGCACCCACTCAACTACAAAGGTTATCATCATTGATGCTGTTCCAGCCTGGC
 AACATCCTAGATAGTTTCACTGTTTGCAATTCTCATGTTCTGTGCATTGCCAGTGTCCCAGGAGCTCGGG
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 GTCTGGTGTGGCTATAGGAACAAAATCTATGTGGTTCAACCAAAGGCTATGAAGATAGAGAAATCATTTG
 ATGCACACCCAGGAAGGAGAGCCAAAGTACGGCAGCTTGATGGGTGGGTGATGGTGTATGGGTCTCCAT
 TCGTTTGGATTCCACGCTCCGCCTCTATCATGCACACACATACCAACATCTCCAGGATGTGGATATTGAG
 CCTTATGTAAGCAAAATGTTAGGTAAGTGGAAAAGTGGGTTTCTCTTTCGTGAGGATAACAGCTCTTATGG
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 AGATCTTACAGCTGACAAGGCAGGGTCATCTGCACAGGAGCCAGTAGCCAGACGCCCTTGAAGTCCATG
 CTTGTATCAGTGGAGGAGAGGGCTACATTGACTTCCGGATGGGTGATGAAGGTGGAGAATCTGAACTTC
 TGGGAGAGGATCTTCCACTGGAACCTTTCAGTACCAAAGCCGAGAGGAGTACCTGATAGTGTGGCAAGT
 GATGTGTGGCAATGAATGAGTCTGTGAGAGACAGACGAGGATGAGGAAGTGCCTCTTCTGCATGGTTTA
 TTTTCCCTTTTCTTTATTTAATGCTCTTTTGTGAAAGACATTTACCACATAATAATGTGAGCATT
 TCCCCTGTACCTTTATATTACACAATCTGTTCTATGGTAACAATACAGAGGAGCGAGCTAGTTTACTGC
 ACCAGTGTAAATAGGAAATTTTCAATATCATGAACAAATCGAAGAAGGTTTACTTTCTGTAAGTACTGATA
 AATTACAGAAAGCAATCCAGATGTGGTTTGTCTGCCACAGTCTAATGTCACTTACTTAATTGATGAGGC
 CATGTTTTACCTGTCACTAATAATGGAAGTAAATGAAAAGACTTAATAAATGAAATGTACCATGAAGTA
 CAATAGAGTTTTCCCAAGTGTATTATAGAATTGACGCACTAATAACAGACGGATTATCACGATTTGTCTG
 AATGTCCCAAGAGCGCTAAGAGTAACTGTAAAGTACTTTAACTTTCACTTTCAATTCTGACAAATCTTG
 TTTATATGGTATATAAACTTTGTTTTATCAGACTCGGGGGTTTTATATTAAGAAATTAAGGCTACA
 CTAACAAAAAAAAAAAAAAAAA

Restriction Sites:

Ascl-NotI

ACCN:

NM_001025430

Insert Size:

3495 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: [BC060100](#), [AAH60100](#)

RefSeq Size: 4221 bp

RefSeq ORF: 3495 bp

Locus ID: 70834

UniProt ID: [Q58A65](#)

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 (4) has a different 5' terminus and lacks an alternate in-frame exon in the coding region, compared to variant 5, which results in a shorter isoform (4) with a different N-terminus, compared to isoform 5.