

Product datasheet for MC210424

Spag16 (NM_025728) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spag16 (NM_025728) Mouse Untagged Clone
Tag: Tag Free
Symbol: Spag16
Synonyms: 4921511D23Rik; 4930524F24Rik; 4930585K05Rik; AV261009; Pf20; Wdr29
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210424 representing NM_025728
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAACCAGATCCAAACGTGACTTCATGTACAGAAAACGTTTCTGCAGCAAAATTTGACTACAAGCTAA
 ACAATATTTTCAGACTTCATGAACCTCCAGTGAGCTGCATCGTCATGCATCCCTGCAGAGACTATCTCAT
 TCCTGTAGTGAAGATCGTCTCTGGAAGATGGTGGCCCTCCACAGGGCAATGTACTTCTACAGGATCT
 GGCCACACTGATTGGTTGTCTGGCTGCTGCTTCCATCCGAGTGGCAGCAAGTTGGCTACCTCAAGTGGTG
 ACAGCACAACTCAAACTATGGGACCTCAACAAAGGTGAATGCACCTTGACCCTTGAAGGACACAACCATGC
 CGTATGGTCTGCACCTGGCACTCCTGTGGTGAATTCGTGGCTTCTGCCTCACTGGATATGACGAGTAAA
 ATCTGGGATGTCAACAGTGAACGGTGCAGATACACTTTGTATGGACACACAGACTCTGTGAACAGCATTG
 AGTTTTCCCTTCTCCAACATTCTTCTCACCGCTTCTGCAGACAAGACCTTGTCTGTGTGGGATGCACG
 AACAGGTAATGTGAGCAGTCTCTGTATGGTACATGCATTCTGTCAATGATGCCACCTTACGCCTAGG
 GGTCACATAATAGCATCCTGTGATGCCCGTGGAGTTACAAAGCTGTGGACTTCCGAAACTCATTCCAA
 TCGTGTCCATTGATGTGGTCCAAGTTCGGGAAATGAGGTGAACCTTGACCAGTCAGGTCGAGTTTGTAGC
 TCAGGCGAGTGCCAACGGGATTATCCATTTGCTGGATCTTAAATCGGGGCAAAATTCACAAACTGGTGGGC
 CACGAGAGTGAAGTGCACAGTGTGGTGTTCACCTGGGGGAAAATCTGTATTCTGGAGGCTCTGACG
 GCACCATTCGGTTGTGGATCT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_025728
Insert Size: 933 bp



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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:	<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_025728.4</u> , <u>NP_080004.1</u>
RefSeq Size:	1303 bp
RefSeq ORF:	933 bp
Locus ID:	66722
UniProt ID:	<u>Q8K450</u>
Cytogenetics:	1 C3
Gene Summary:	<p>Necessary for sperm flagellar function. Plays a role in motile ciliogenesis. May help to recruit STK36 to the cilium or apical surface of the cell to initiate subsequent steps of construction of the central pair apparatus of motile cilia.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate 5'-most exon in the 5' UTR and lacks a portion of the 5' coding region compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (2; also known as Spag16S) with a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>