

Product datasheet for **MC205920**

Spag1 (NM_012031) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spag1 (NM_012031) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spag1
Synonyms:	tpis
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC046313
 CTTCCAGCCCCAGCCCAAGCCGGAGGAAGGACTCCCTGCGCCAAAGCTTGCAGGTTGGCCCAAGAGCTAG
 TTCCCAGGCTCGTCTAGACACTTTACCTGGGTCTGGCGGTGCCTGGAAACCGTTGCCATGGCTGGGGCG
 TGCCACTTCCGTTTCTGGCTGCAGAGGGCGCCGGCTGCCTGAGTAGGAGAAGCTGAGTTTTACGTTACT
 GGGGTTACCAGGAAACGCTATGCCATGACTGCTAAGGCTAAGGACTGTCCATCATTGTGGGGCTTTGGAA
 CAACAAAAACATTTAAAAATCCCATCGAACATTTGGATTTCAAGTATATTGAAAACTGTTCCAGATGTGAA
 ACACCTGGAAAAATTTCTTTATGTGCTGAGGTCTGGTGAAGAAGGCTACTATCCTGAACCTACGGAATTT
 TGGGAGAAGTGCCCTACCAACTTGGCTCCTAAAAGTCGAGCTCTGAGGAAGGACAAGCCTGCAGAGACAG
 CATCCAGCTTTTTCAGCGAAGAGTGGGAAAAAATCGACAGTGATCTAAAGAGTTGGGTGTGAGAAATCAA
 AAGAGAGGAAAAATACATGTCACCTCCATGACCCTGAAAACCATCCCGAGTGGAAGATCCTCTGCCTCCT
 GTCCGCGGCTCCACCTGCTGCCCTCACAGTGGCAAGGAAACATATTCTAAAAGTAAGACAGCTAAGAAGA
 GGATTCGAAGGATTATGCAGAATGGGATAAAATTTGATGTGAAAAAGAATGTTCAAAGATTGATGAGGA
 TTCAAAGAAAAGACTGTATAAACAACAAGGCTCATCTGTCTAAAATTGAGACAAAAATAGAAACAGCA
 GGTCTGACTGAGAAGGAAAAGAGTTTTCTTCCCAATCGTAAAAGGAAAAGGGAACGAGGCTTTCTACT
 CTGGGGACTATGAAGAGGCCGTGATGTATTACACCAGGAGCTTATCAGCCCTTCCACCCGCTTGCCTA
 TAACAATCGAGCTCAGGCCGAAAATCAAGTTGCAGAGATGGAGCAGTGCTCTTGAAGACTGTGAGAAGGCC
 TTGGAGCTAGATCCCGAAACGTAAAAGCTCCTCTGAGACGAGCCACTACATATAAACATCAAAACAAGC
 TCCAGGAAGCTGTGGACGACCTGAGAAAGGTGCTGCAGGTGGAGCCGGACAACGACTTGGCCAAGAAGAC
 CTTATCAGAGGTTGAAAGAGATCTGAAGAATTCAGAGCCTGTCTCTGAGCTCCAAACCAAGGGAAGAGG
 ATGGTTATTGAAGAAGTTGAAAACCTCGGGAGATGAAGGTGAAAGGGAAGCGCAGATGAGCGTGAAGATG
 GTGGCTCGGATGAGGCGGCCATGGGCAACATTCAGAAGAAGCTGATGGTCCGCGGAGCGAGGGTGGCAG
 GCGGTCCGCGCGGGCCGGACACCGGGGCCCGAGCTGAGCAGCAGGGAGGCCTGCGAGAGACAGCGACG
 GCCAGCACCGGCGACAGTCACTACCCGGAGGACCGCGAGCCGCTGACAACCCACGCGCCTCAAGAGAG
 GGGCAACGAGCTGTTCCGCGCGGGCAATTCGCAGAGGCGAGCCGCAATACTCGGTGGCGATAGCGCA
 GCTGGAACCCACAGGAAGTGCAATGCGGATGAGCTAAGCATCTTGTATTCAAATAGAGCGGCATGCTAC
 CTCAAAGAAGGGAAGTGCAGGGACTGCATCCAGGATTGTAACAGGGCTCTGGAATTCATCCGTTCTCAG
 TGAAGCCTCTTCTGCGCGGAGCAATGGCCTATGAGACCTTAGAGCAATACAGGAACGCATATGTGGACTA
 TAAAACAGTGTGCAGATAGATTGTGGATCCAGCTGGCAGCGACAGTGTAAACAGAATAGCACGAATC
 TTAACAGAGCTAGATGGATCAAATGGCGGGAGAGACTGCCACCCATCCCAGCTGTACCCACATCTGAGC
 CACTGCGAGTTTGGCTCCCTGCTGCAGAGACCCAGACCAAGATCCCTGTCCCAACAACTGCATGCCGAG
 CATCACAGATGAAAAATGTTTCAAGCCCTCAAGGAAGAAGGAAATCAACTTGTAAAGGACAAAAATAT
 AAAGATGCCATTAGTAAATACAATGAATGCTTAAAGATTAACAGCAAGGCATGTGCCATCTATACAACA
 GGGCTCTCTGTTACCTGAAGCTGGGCCAGTTTGAAGAGGCAAAGCTGGACTGTGAGCAGGCGCTCAGAT
 AGACGGCGAGAATGTGAAAGCCAGCCACAGACTAGCGCTCGCCCAGAAAGGACTCGAGAAGTCCCGGGAA
 AGCGGGGTGGACCCCAAGTCAAGTCTCCTAAGCCAGATTCCAGTGAAGCCGCGCCGACCTGGACACTA
 AGAATGACACAGCACCTCCAGCAAAGGAAGGGAGAGGAGGAGAATCCAAGTCCAAGAGGTGGATGGCAG
 CAGTGTGAGGAGCCTGAGAGACCTGCAGAGCCCTCTGCTACCTCCGACCTGCCAGAGATGGTGTGGAA
 GATGGAGGGTCTGCAGAACCAGCAGAAAACTCGACGTCTCCAAGCCTACTAATGCCTATGAGTTGGAC
 AGGTCCTAAGCACTATCAGTGCCAGGAAAGATGAAGAGGCTGTGCACATCTTTTAGCCATCACTGCACC
 CAAAGACCTGCCACTGTTGCTAAGTAACAAACTTGAGGGGGACAGTTCCTCCTCCTCCTCCTCCTCCTCCT
 AAAAGTACCTTGTGGCTAAAGACCCCTCCCTGGTGTATGAGCATCTCCTGTATCTGAGCAAAGCAGAGA
 GGTTTAAAGACGATGCTGACACTAATTAACAAGGCCAAAAGGAGCAGATGGCGCAGCTGTTTGTGGTCT
 GTCAGACACACAGTCCGACGTTTACGGCAGAGGATGTACAGGCCCTAAGAAGGAGTATGAGCTTTAA
 CTTGGGGTTGCTGAGTTCAAGACAGCAACATTGTGATGCAGTTGCATGGGTAAGCCACACCCAGAAGG
 ATCCCTGTTTGGACATCAGATGTTGACTTATTTTTATATCTAGAACATGTATTTCTATAATCTGATTT
 TTATTTATTGAAATATTCTTCTGTACTAGAGCCAACACCTTTATATTTAATAACTATATTCAGAAGT
 TGGCAAAATATACTCTAGCTTATAATACATTTTCTTTTAAATGACCTACCCATTAATAATTTAAAAATACA
 AA

Restriction Sites: RsrII-NotI
ACCN: NM_012031

Insert Size:	2706 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:	<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:	BC046313 , AAH46313
RefSeq Size:	3270 bp
RefSeq ORF:	2706 bp
Locus ID:	26942
UniProt ID:	Q80ZX8
Cytogenetics:	15 B3.1
Gene Summary:	<p>May play a role in the cytoplasmic assembly of the ciliary dynein arms (By similarity). May play a role in fertilization. Binds GTP and has GTPase activity (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) contains an alternate exon in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.</p>