

## Product datasheet for **MC219762**

### Spg20 (NM\_001144988) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spg20 (NM_001144988) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spg20
Synonyms:	A1840044; C79168; mKIAA0610; SPARTIN; TAHCCP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219762 representing NM\_001144988  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAGAGAACCAGAAAATGGAGAACCTGCTGAAATTAAGATCATCAAGGAAGCATACGAGAAGCGCT  
 TTATGTTTGTAAATAAAGGACTGAACACGGACGAGTTAGGGCAGAAGGAAGAAGCAAAGAACTATTACAA  
 GCAAGGAATAGGACACCTGCTTAGGGGCATCAGCATCGCGGCTGCAGAGCCGGGCACACAGGCCCTGCC  
 TGGGAGGCTGCCAGGCAGATGCAACAGAAAATGAAGGAAACGCTTCAGAACGTCGCCACCCAGGCTAGAGA  
 TCCTGGAGAAGGGCCTTGCCACTTCTACGGAATGACCTTCAGGATGTGCCAAGCTATACCCAGAGTT  
 CCCGCCTAAAGACGCGTGCAAGAAGTCCCAGAGCAGGAGTCCGTTAGTACAGCGCCCCAGCGTGCTGAA  
 GTCGATGGGAGCGCTCAGCCGCGTGTCCGGCCCAAGTGGTGCCTTCTGCTCTGCCCGTACCATCGC  
 CCAGCTGCCCTGCCGAAGCGCCACCAGCCTACAGCCACAGGCTGCTGAGGGCCACTACACTGTTTCTTA  
 TGGAACAGATTCCGGGGAGTTTTTCATCCGTGGGAGAAGACTTCTACAGGAACCGTCCCAGCCGCCCT  
 CTTGAGACCTTGGGGCTCGATGCAGATGAGTTGATCTTGATACCAAACGGAGTGCAGATCTTTTTGTAA  
 ACCCTGCGGGAGAGGTCAGTGCTCCCTCGTACCCTGGGTATCTGCGGATCGTGCGGTTCTTGATAATTC  
 TCTGGATACAGTTCTGAACCGCCCTCCTGGGTTTCTCCAGGTGTGTGACTGGTTATACCTCTAGTTCT  
 GATAGGTCACCAAGTTCTGAAGTGCAGTGTGGGAGCCTACATGTTCCAGATACCATGTTACAAGCTGCTG  
 GGTGCTTCGTAGGGTGTCTTTTCATCTGAGCTCCAGAAAGTACAGAGAGCTGTTTGGAGTCTGTT  
 GAGACAGATGTCTGACCTTCGGCTCCAGACAAAGATCAAGTGAAGAAGTTAATCTGAGCCAGATTGTG  
 CCCTGTGAGCCGAGTTTCAAGAAAAATCGAAAGAATTGCCTGAATGGAGCGAGAAAGTGGCCACAACA  
 TCCTGTCAGGTGCTTCTGGGTGAGCTGGGTTTGTAGTCAAAGGTGCTGAATTTACTGGCAAAGCAATTCA  
 GAAAGGTGCTTCTAAACTCAGAGAGCGCATTACGCCGGAGGAAAAGCCAGTGGAGGTGAGCCAGCTGTC  
 ACCAGGGTCTTACATAGCGAAGCAGGCAACCGGAGGAGCAGCCAAAGTCAAGCCAGCTCCTGGTTGACG  
 GCGTCTGCACAGTAGCGAATTGTGTTGGTAAAGAACTTCTCCACACGTCAGAAAGCAGGAAAGCAA  
 GGTTCCGGAATCCCTGAAGAGGGACAAAGACGGGAAATCTGCCCTGGATGGCGCCATGGTCTGGCAGCG  
 AGTAGTGTCAAGGATTCTCAACTGTCTGGCAAGGGTTGGAATGTGCAGCTAAATGCATCGTTAACACCG  
 TGTCTGCAGAACTGTACAGACTGTGAGATAACAAGTATGGGCACAACGCAGGAGAAGCTACACATAACGC  
 AGTGGATTCAAGTCAATGTTGGGCTCACTGCCTACAATATTGACAACATCGGCATCAAAGCCATGGT  
 AAGAAAAGTCCCAAGCAGACGGGACACACTCTCTCGAGGACTACCAGATCGTTGAGCGCCCTCAGAGGG  
 AGAGTCAAGGAGGAGCCACAAGCACAGAAGGAGAAGAGACATAGGAAAAGCAGGTGGAGGAAGAGAAGCC  
 AGGGGCAGGAAAGAAGGACAAAT**TAA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001144988

**Insert Size:** 1845 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:** [NM\\_001144988.1](#), [NP\\_001138460.1](#)

**RefSeq Size:** 3626 bp

**RefSeq ORF:** 1845 bp

**Locus ID:** 229285

**UniProt ID:** [Q8R1X6](#)

**Cytogenetics:** 3 C

**Gene Summary:** May be implicated in endosomal trafficking, or microtubule dynamics, or both. Participates in cytokinesis.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) lacks an alternate in-frame exon in the central coding region, compared to variant 1. The resulting isoform (b) lacks an internal segment, compared to isoform a.