

Product datasheet for **MC220373**

Spg20 (NM_001144987) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spg20 (NM_001144987) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spg20
Synonyms:	AI840044; C79168; mKIAA0610; SPARTIN; TAHCCP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220373 representing NM_001144987
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGAGAGAACCAGAAAATGGAGAACCTGCTGAAATTAAGATCATCAAGGAAGCATACGAGAAGCGCT
 TTATGTTTGTAAATAAAGGACTGAACACGGACGAGTTAGGGCAGAAGGAAGAAGCAAAGAACTATTACAA
 GCAAGGAATAGGACACCTGCTTAGGGGCATCAGCATCGCGCTGCAGAGCCGGGCACACAGGCCCTGCG
 TGGGAGGCTGCCAGGCAGATGCAACAGAAAATGAAGGAAACGCTTCAGAACGTCCGCACCAGGCTAGAGA
 TCCTGGAGAAGGGCCTTGCCACTTCTACGGAATGACCTTCAGGATGTGCCAAGCTATACCCAGAGTT
 CCCGCCTAAAGACGCGTGAAGAAGTCCCAGAGCAGGAGTCCGTTAGTACAGCGCCCCAGCGTGTGAA
 GTCGATGGGAGCGCTCAGCCGCGTGTCCGGCCCAAGTGGTGCCTTCTGCTCTGCCGTACCATCGC
 CCAGCTGCCCTGCCAAGCGCCACCAGCCTACAGCCCACAGGCTGCTGAGGGCCACTACACTGTTTCTTA
 TGAACAGATTCCGGGGAGTTTTTCATCCGTGGGAGAAGACTTCTACAGGAACCGTCCCAGCCGCCCT
 CTTGAGACCTTGGGGCTCGATGCAGATGAGTTGATCTTGATACCAAACGGAGTGCAGATCTTTTTGTAA
 ACCCTGCGGGAGAGGTCACTGCTCCCTCGTACCCTGGGTATCTGCGGATCGTGGCTTCTTGATAATTC
 TCTGGATACAGTTCTGAACCGCCCTCCTGGGTTTCTCCAGGTGTGTGACTGGTTATACCTCTAGTTCT
 GATAGTCAACAGTTCTGAAGTGCAGTGTGGGAGCCTACATGTTCCAGATACCATGTTACAAGCTGCTG
 GGTGCTTCGTAGGGTGTCTTTTCATCTGAGCTCCCAGAAGTACAGAGAGCTGTTTGGAGTCTGTT
 GAGACAGATGTCTGACCTTCGGCTCCAGGCCAACTGGAATAGAGAAGAAGATGAATCCAATCCCTGGG
 AGTCAAGTCAACCTCTGAACACCGAAGGAAGCTTCTGGCACTGATGTCAGGCAGTCAAGTTCTCAG
 GTTCTCAATAGACCAAGGCAGCAAGGATGCCCGCCATAAAGGAAAGCGTGGGAAAAAGACCAAAGATTC
 AAGTGAAGAAGTTAATCTGAGCCAGATTGTGCCCTGTGAGCCGAGTTCAGAAGAAAAATCGAAAGAATTG
 CCTGAATGGAGCGAGAAAGTGGCCACAAACATCCTGTCAGGTGCTTCTGGGTGAGCTGGGGTTTGTCA
 AAGGTGCTGAATTTACTGGCAAAGCAATTAGAAAGGTGCTTCTAAACTCAGAGAGCGCATTAGCCGGA
 GGAAAAGCCAGTGGAGGTGAGCCAGCTGTACCAGGGGTCTCTACATAGCGAAGCAGGCAACCGGAGGA
 GCAGCCAAAGTCAAGCAGCTCCTGGTTGACGGCTGTCACAGTACGGAATTGTGTTGGTAAAGAACTTG
 CTCCACACGTCAAGAAGCAGGAAGCAAAGTGGTTCGGGAATCCCTGAAGAGGGACAAAGACGGGAAATC
 TGCCCTGGATGGCGCCATGGTCTGTCAGCGAGTGTGTTCAAGGATTCTCAACTGTCTGCAAGGGTTG
 GAATGTGCAGCTAAATGCATCGTTAACAACGTGTCTGCAGAACTGTACAGACTGTGAGATACAAGTATG
 GGCACAACGCAGGAGAAGCTACACATAACGCAGTGGATTAGCTATCAATGTTGGGCTCACTGCCTACAA
 TATTGACAACATCGGCATCAAAGCCATGGTGAAGAAAAGTCCAAAGCAGACGGGACACACTCTCCTCGAG
 GACTACCAGATCGTTGAGCGCCCTCAGAGGGAGAGTCAAGGAGGAGCCACAAGCACAGAAGGGAGAAGAG
 ACATAGGAAAGCAGGTGGAGGAAGAGAAGCCAGGGGCAGGAAAGAAGGACAAA**TAA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_001144987
- Insert Size:** 2016 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001144987.1](#), [NP_001138459.1](#)

RefSeq Size: 4013 bp

RefSeq ORF: 2016 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 (2) uses an alternate 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (a).