

Product datasheet for **MC221597**

Spg7 (NM_153176) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spg7 (NM_153176) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spg7
Synonyms:	AI452278; AU015315; Cmar; PGN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221597 representing NM_153176
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCGCTTGCTGCTGCTTCGCGGGCTCCGCCCGGCCGGAGCCCGGCCCGACGGCTGTGGG
 GCCTGCTCTCAGGCAGGGGCCAGGCTCTCGTCCGGGGCTGGGGCCAGGCGGCCGTACGCGGCCGCGG
 GACTCCGGTTGGCCCGGCTGCGGCTGGAGGCCACGCGCCTCAGAGTTTGTATTGCGAATACTGACCCCT
 AGCTTTGAAGGTATTAGCGGATTGTTACTGAAACAGCATATAGTTCCAAATGCAGTCAGACTGTGGCCGC
 TTTTAGGTAGCACTTTGTATTTAACACCTCAAGGATGAAGCAGAAGAATAAAGACAATGATAAACCCAA
 AGGCAAGACCCCTGAAGATGATGAAGAAGAGAAGAGACGAAAAGAGCGGGAAGACCAGATGTACCGAGAG
 AGGCTGCGCACCCCTGTTTCATCATTGCTCTTGTGCATGAGCCTGCTGAACCTCCTCAGTACAAGTGGGGCA
 GTATTTCTGGGCTGACTTTGTCAACGAGATGCTGGCTAAAGGCGAGGTGCAGCGTGTGCAGGTGGTGCC
 CGAGAGTGATGTGGTGAAGTCTATCTGCATCCTGGAGCTGTGGTGTGGGCGGCTCGGCTGGCCCTG
 ATGTATCGGATGCAGGTTGCAAACATCGACAAATTTGAAGAGAAGCTTCGAGCAGCCGAAGATGAACTGA
 ACATTGAGAGCAAGGACAGGATCCCGTGTCTACAAGCGGACAGGATCTTTGGGAATGCCCTCTACGC
 CCTGGGGATGACAGCCGTGGGCTTGCCATCCTGTGGTATGTTTTAGACTGGCGGGATGACCGGAAGG
 GAAGGCGGATTAGTGTCTTTAATCAGCTTAAGATGGCACGTTTACCATTGTGGACGGGAAGACAGGGA
 AAGGAGTCAGCTTCCAAGATGTGGCAGGAATGCATGAAGCCAAGCTGGAAGTCCGAGAATTTGTGGATTA
 TCTGAAGAGCCCAGAGCGTTTCTTCAGCTCGGTGCCAAGGTTCCAAAGGTTGCCCTGTTGCTGGGGCC
 CCTGGCTGTGGGAAGACGCTGTTGGCCAAGGCAGTAGCCACGGAGGCTCAGGTGCCCTTTTAGCAATGG
 CTGGCCAGAGTTTGTGGAGGTGATTGGAGGCTGGGAGCTGCCGAGTGCGAAGCCTCTCAAGGAGGC
 ACGAGCCAGGGCCCTTGCATAGTGTACATTGATGAGATCGATGCTGTGGGAAAGAAGCGTCCACCTCC
 ATGTCTGGGTTCTCCAACACGGAAGAGGAGCAGACCCTCAACCAGCTCCTGGTGGAGATGGACGGAATGG
 GCACCACAGACCATGTCACTCGTCTTGGCATCCACCAATCGAGCTGATGTTCTGGACAATGCTCTGATGAG
 GCCTGGGCGGCTCGACAGGCATGTCTTATTGATCTTCCACGCTCCAGGAGAGGCGGGAGATTTTCGAG
 CAGCACCTGAAAGGCTGAAGTTGACCCAGCCAGCAGTTTTTACTCCAGCGGCTGGCAGAGCTGACAC
 CTGGATTAGTGGCGCCGACATCGCCAACATCTGCAACGAGGCCGCTCTGCACGCTGCACGCGAGGGGCA
 CACGTCCTGCACACGTTCAACTTTGAGTATGCCGTGGAGCGCGTCATTGCTGGTACTGCTAAAAAGAGT
 AAGATCCTCTCCAAGGAGGAGCAGAGAGTGGTCGCCTTCCATGAGTCTGGCCATGCCTTGGTTGGTTGGC
 TGCTGGAGCACACAGAGGCTGTGATGAAGTCTCCATCGCACCTCGGACAACGCTGCTTTGGGCTTCTC
 TCAGATGCTCCCTCGGGACCAAGTACCTCTTCAACAAGGAGCAGCTGTTTGGAGCGATGTGCATGGCCCTA
 GGTGGCCGTGCAGCTGAAGCCATCTCATTAGCAGGGTCACTCTGGGGCCAGGATGATTTGAGGAAGG
 TTACCCGCATTGCTTACTCCATGGTGAACAGTTGGGATGGCTCCCAGCATTGGGCTGTATCCTTCCC
 CGAGGCACAAGAGGGCCTCATGGCATTGGACGTCGTCCTTCCAGCCAGGGCCTCCAGCAGATGATGGAC
 CATGAAGCAAAGCTGCTGGTGGCCAAAGCCTACAGACACCCGAGAAGGTGCTGCTAGACAACCTGGACA
 AGCTGCAGGCGTTGGCGAATGCCCTTCTGAAAAGGAAGTATAAACTATGAGGACATTGAGGCGCTCAT
 TGGCCCGCCCATGGGCCAAAGAAAATGATTGCACCACAGAAATGGATTGATGCTGAAAAGGAGAGA
 CAGGCCTCAGGGAGGAGGAGGCTCCGGCTCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_153176
Insert Size: 2346 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:	NM_153176.4 , NP_694816.3
RefSeq Size:	2558 bp
RefSeq ORF:	2346 bp
Locus ID:	234847
UniProt ID:	Q3ULF4
Cytogenetics:	8 E1
Gene Summary:	ATP-dependent zinc metalloprotease. Plays a role in the formation and regulation of the mitochondrial permeability transition pore (mPTP) and its proteolytic activity is dispensable for this function (By similarity).[UniProtKB/Swiss-Prot Function]