

Product datasheet for MC224268

Rpgrip1 (NM_023879) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpgrip1 (NM_023879) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rpgrip1
Synonyms:	0610005A07Rik; 4930401L23Rik; 4930505G06Rik; A930002K18Rik; AA415034; nmf247
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224268 representing NM_023879 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGCAAGCATCTACTAGAATATATGCCAGAGGATCTGCCAGTTAGAGACACAGATTGAGTCCTCTGTTGA
AAGGGACGTCGGGTAAGAATGTAAGGGCCAGCCGCACTTGGGCAGGATGAACCAGAAGGAGCTGAACTG
CAGACGCCCTTACCTCCATGAAGAGCCACGTTGGTGAAGGAACCTTCTCCAAAGCAACGAGATAAAAAAC
AGAAGGCGAAGGACGAACGTGCAGCGATCCACAACACCAACCGGACCTACGGACACTTGCTGTGCTCC
AGGAGCCAGAGAGGCGCAGGCGGCCGCTGGGTCTCAGCGTCCCCGAGCCCCCTCGGCGCCCCCGCGCGCACC
AGTTCCCGGGAGGAAAGCGCATGTGCAGCGCCTGTGTCCCTCGACCGCGGTAGGCAGTGCACAGCCTCGA
GTCCACGCGGGACGCAGACTGCCCCACATAGCTGGGCCAAATGACAGGCGCAGCCATACAGCCCCCTCCCG
CATTTAAAGACTATGTGGCGGACAAGAACCAGAATCGAAATAACCAGGGAGCCAGCCAACTTACTCA
CACCATGACGACTGATTCTACACATGTGGAAGAGATCCCAGATCTCCTGAGAAAACATCCAAAGTTGAA
AAGCCTGAACAGAGAAGCTCAGAGGAGTGAAGCTCAGAGAGCTTGCAGAGCTTCCATTAAAGGAGA
ACGTGGAGCTGATTCGCCTTAAGAAGCTTTACAGGAGAGGAATACCTCGCTGGCAGCCACAGAAGCCCA
ACTGACACGAGTTCAAGAGGCATATGAAGACTTGCTTCAAAGAATCAGGGAATATTGGATACAGCCCAT
AATGCCCTTCTCAGCCAAGTGAATGAGCTCAAGGCAGAGCTGAGTGAAGAGAGCAAGAAGGCTGTGAGCT
TGAGGACTCAGCTGGGAGATGTGTCTATCTTGAGATAAATCTGAAGGAGTTTCAGGTGAGAGTTGAAGA
TTTGAAAAGGAACGGAACTGTGAGTGACAGTTATGACAGACTCTTAGAGAACATGCTGGATAGTAGT
CATCAGCCTCTGGATAGCAGTCATCAGCCTCACTGGAGCACGGAGCTCACAGGGAAGCAGCTCCCACCGC
AAGTCTGTCCACTGCTGGACCAATGGGCACTGCGCTGGAGGAGACCAAGTCTTTCGTCAGCAACCAA
CAAAGCAGCTCAAGATGGAAAGCTGAAGTTTCAAGACACCGACATCCTTTACCAGCATGAACAGGAAGAA
GAGAGCCTTCAGTCAACTGCCACTGTAGCCTCATCTCCAGAAGAGCTGTGTGAAGTGGCTGCTCAGCCCA
CTCTACTCCACAGACAGATCAGAGAGAGTCCAGTGAACCAAAAGCTCAAGACGAGAATGACTTATCCCA
GGTGCTAAGCGAGCTGCAAGTGTACATGCAGAGACCACACTGGAAGTGGAAAAACCAGAGATATGCTT



[View online »](#)

CTTCTGCAGCGCAAAATCAACATGTGTTATCAGGAGGAGCTGGAGGCAACACTGACAAAAGCTGACAGGG
 AAAACAGGGACCACGAAGAGAACTGGAGCGGCTGAATCACCTCCTGGACTTCAAGAACAGCCGCATCAA
 ACAGCTGGAAGGTATTTTAAGAAGCCACGGCCTTCCAACATCTGAGCAGCTCAAAGATGTCGCGTATGGC
 ACTCTGCCACCGTCGCTGTGTCTGGAGCCCTGGCAGCCACAGAGGTGACGATGAAGTGGACATGTCTC
 TGCTGCATCCAAGCGAGAATCTTTTGAAGTGCACGTCCACCAGGCCTTCTGACCCCTGCTGCCCTCAC
 ACAGGCTGGCGACACCAACCTACCCTTTCTGCACTTATCCTTCTATGATTTTGAAGTCACTGCACC
 CCCTCTCTACTGGGCCCCAGCCTCTCTATGACTTCACCTCCCAGTATGTAGTGCAGGCAGACTACCTCC
 TCCTGCCTACCTTCAAGGAACCTCAGTACGGCTTGATCTCCATCAGGCCATGGCTAGTGAATACCATGT
 CCTTGCTACTGGATGGATCTCACTTGACAAGGTGCTAGGGACTGTGGAGAGAGTCCACGGCTTGGCCACA
 CTCGCTGGAGCTGGTGGAGAAGACTTGGGGGTGTTAGAGTACTGGATGAGGCTGTGCCTGCCCTAAAC
 CCAGCCTCCAGGCATGCAATAAGCGAAAGAAAGCCAGGCCTACCTGTCAGTCAGTGTGCTTGGAGCTCG
 GAAGGTCCAGAGCAATGAGTCCAGATCCGAAACCTGGGCGCTCAGAATGAGCTTCGGGTGAGATCACC
 AGGTGCTCGGCCTCCGGAGTCGACGGCTGGGAAGGCAGCCAGTCCGTATGTCATGTACCGCTTCTTCA
 CCTTTCTGACCATGACACCATCATCATTCCAGCCAGCAGCAATCCATACTTTAAAGACCAGGCTCTGTT
 TCCCGTGCTTGACCTCTGACCTGGACCAGTATCTGAGCGGGAAGCTCTGTCTGTCTATGTTTTGAT
 GATGAAGACCCAGAGCCTGGCTCCTATCTTGCCGAGCCAGGTGCCCTTGCTGCCTCTTGACAAAACA
 AATCTATCAAAGGTGATTTCAATCTCACAGACTCTGGGGAGAAGTCCAATGGATCCATCAAAGTGAACCT
 AGACTGGAAGTCTCACTACCTAGCCCCAGAGGGCTTCCAGATGTCAGAAGCTGAGAAGCCGAGGGTGAA
 GAGAAGGAGGAGGAAGGGGGAGAGGAGGAGGTAAAGGAGGAAGAGGTGGAGGAGGAAGAGGAAGAAGAG
 AAGAGGAAGAAGAGGTCAAGGAAGAGAAGGAGGAAGAGGAGGAGGAGGAAGGGAGGAGGAAGAGGAGAA
 GGAGGAGGAGAAGGAGGAAGGAGGAGGAGGAGGACGAGAAGGAAGGAGGAGGAAGAGGAAGAAGAGAG
 GAGGAAGGAGGAGGAGGATGAGAACAAAGATGCTCTGGAGGCCTCATTACGGAAGAATGGTCCCCTTTT
 TTTCCCAGGACCAGATAGCATCTACAGAGATTCCTATAGAGGCTGGCCAGTACCCAGAGAAGAGAAAACC
 TCCTGTAATAGCAGAAAAGAAGGAAAGAGAGCATCAGGTGCGCAAGCTACTCACGAAGAAAACACAGCAAA
 AAACCAGGTGTCCAAGACAAGAACAGAATGGAATATCTGAGCTGTAACTCTGAAATGGAACACACAGC
 AGATGCATTACACGAGTGGAAGTTCTCAGGGCTCAAGAAGGCCGAGGATGGTGGCTTAAAGCTCAGGA
 CAAGAGAGAGGAACCGCCATCACCCGTTGAGCACTGAGACAGGAGCATCCCTCACATCTAGAAATGCC
 TTCTCCCTAGCAGACCAGGAATCCTGTGAACAAGCTTCTGAAGTCAGTGAACACAGACTACCGACAGCG
 ATGACATCATAGTGACACCCAGGCTCAGACGGTCTCTAAAGCCGATTGAGAGAAGATGTGATTGAAAT
 CGTCTCACTGGCCTTCTGCCCTGAGGCTGACGTATGTCTGATGAGACTATCCAGCAGGTATATGTGGAG
 TACAAATCTGTGATCTGCCTCTATCGGAGACAGAGACTCCGATGTCCCTGAGGAAACCAAGGGCAGGCG
 AAGAAATCCACTTCCACTTTAGCAAGGTGATAGATCTGGACCCTGTGGAGCACCAGGCGAAGGCAGTT
 TTTGTTTGCCATGCTACATGCTCAAGATTCTGATGAGGGACGTTTCAAGTTTACAGTGGTAAAGTATCCT
 CTGGATGAAGAAAAAAGAATGTCAAGATATAGGCTATGCATACCTTGAAGTGTGGCAGATATTCAAT
 CTGGAAAAGATATCCTAGAGCAAGAACTAGAGATTGTGAGCCCTAGAAACCAGGCCATCCAAATTGGAAG
 GCTGAAGGTTCCCTCCAAGCAGCTGCTGCCCTCCATGGCATTATAAGGAGATGACTGAAGATCTGTTT
 TCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_023879

Insert Size:

3996 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_023879.3 , NP_076368.1
RefSeq Size:	5238 bp
RefSeq ORF:	3996 bp
Locus ID:	77945
UniProt ID:	Q9EPQ2
Cytogenetics:	14 C2
Gene Summary:	May function as scaffolding protein. Required for normal location of RPGR at the connecting cilium of photoreceptor cells. Required for normal disk morphogenesis and disk organization in the outer segment of photoreceptor cells and for survival of photoreceptor cells. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant represents the longer transcript and it encodes the longer protein (isoform 1).