

Product datasheet for **MC229567**

Gprasp1 (NM_001005385) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gprasp1 (NM_001005385) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gprasp1
Synonyms: 2210415K24Rik; 3110031O14Rik; C87852; GASP; GASP1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229567 representing NM_001005385
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTAGGGCAGAGGTTGAGCCTGGTGCCAGGCAAAGGCTGAAAATAAGCCTGGGGATGAGAATGCTA
ATGCTGCTGAAGTAGAGCCTGAAGCCCCATTGGTGGTCAGACCCAAGGTTAGGACACAAATCATGACTGG
AGCAAGGCCCAAAGTGAAGCCTAAGGGTACCCCTGGAGCAAGACCTAAAGGTGAAACCAGTACACCAGGT
GGGCATATGCCAAATGTAACCTAAGGCAATCCCTATTGCTCGATCCAAGCATGATGCCAAGTGTGGG
CCCCAAATAAGTTTCGTGGCGAGTCCATGTCAAAGATGGGAAAGCAATGTCAGATCAGTGCAGACCC
TCCACTGCTCAGTAATGATTCTGGGATGGTTGCTCAAGCTAAGTGCCTGCCTGTAGATAGAGAACTTGCT
AATATGGACACTGAGAGTATCCCAAAAAGGCTAATTCTCCAGCTGGATTCCAGCCTTCCTATGGCTCAG
AGGAGGGAACCAATATGGGGTCTGGTACCGTCCAGGCTGTCCCAAGGAGAGGCCTATGAGAATTC
CGATTTCAAATGGGCAGATAAACCTCAGGAAGTCCCTCCTTTTGAATAGAGATGAAGCCAGTACAAGA
TTTCGTCTAGGAAAAGCATGAAGGCAATAACAGGTTTCAGGCATATGGCCAAACAAGAGGCAAAATACCA
TGCTAGGCACAAAACAACAAGAGTTCTATAAATTTCCAGTCTGATTCTGAGGATGAGTCTGGTAA
AACTCCCTGGTTCTGGCCAAAGACAAGACCAAGTCTGGTCTAAGCCAAAGAAGAGCCCAATAGTAGG
TCCTGGTTTAGGTCTAAGAAAGAAGTCCGTGTTGAATCCACTTCTGGGTCTGAATGTGAAAATCCTACAA
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GAACCAGAGCAGTGCCAAAGGAAGAAGTCAAACTAAGGCCAGAGCAAGTACCAAGCAAGAAGCCAGGCC
AGAGGAGGAAGTCTCGTTGGGGCTTGGTCTGGGACACCCAGGAGTCCACTATGGCAGATAGGATAAGC
ATCAAGACCCTTTTGTAGAGGAGGAGCCATTGTTGGAGATTGGTCTGGAGTGAAGAAGAAGCCAGTG
TGACTCTGAGACCTGTACATACATCCAGACCCAGGGCTAAGGAGGAGCAAGTTAGTAGTTTCTGTTTAGG
GTCTGAAAGAAGAGCAGTATGGAAAGTGGGCCAAAGGCTACTTCTAAATCTATGCCAGTAGCTAAGGAG
GATGAGGTCGTTATTGGTCTGGTCTGGGCAGATGATGAAGAGATCAACTTACAGGCTGATGACGAGT



CTATTTTTGGATCTTGGTCTGGGGCACTGGTGAGAACAGCCTTAGATCTGTTGGAGTCAATTGTGAGAA
 GATGCCGAAGGCTGGAGAAAAAGAAAGTTACTGATTCTGGTCTGGGCTGGAGATGTCAATACAGAGGCT
 GAGGTTGAAGAACAGGCCAGGTCGGCATCTACAAAAGCAACAATCTTTGTGCCTTGGTTTTGGTCTGAAA
 AGCAGCCGAACATGGATTTAGGGTCTGAACCTTGCTCAGATATCATGGCAGGAGCTGAGGAGGAGCCCAT
 AATTGGGCCCTGGTCTGGGCTAAAGTAGATAATAGTGTGGAGGCTGAAGTTAACAGTAAGTCTAGCCTT
 GAGGATGAGGAAGAACCATTAGATCCCCTTGGTTTGGGGCCAGAGAACAACCCGATATGAAGTATGCAG
 CTGGTATCAGATACAAGCCTATGGCAGAAGCTGAGGATGCTAACAAAAAGTCTTGTGCTGGGCAAAAGA
 ACCCTGTTTGTATCCTACCAATAGAGAATGCTTGAATCTACTCTGGGAGAAAAAGAACACTGTTGAT
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 AGGAAAATATAGATGATGAGACTGGAGAAAAGATTAACTACCACTTTAGAGGACAATGCATTCAATTC
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 GAAGAGGAAGACATTATTGGTCTTGGTTTTGGGCTGGGATGAAGACAGGTTTGGCCAGCTGCTAAGA
 TTAATGAAGAGAACAAGATAGCATCTGAAGATGAAGATACAGTTGGATCCTGGTCTGGGCAATGAAGA
 GGCCAGCTAGAGGCAGTGAGAAGGGTACTTTTGAGTCTGCTCCTGGGATTAAGGAAGAGAAAGTACT
 GGGTCATGGTCTGGACTGATAAGGCCAAAGTAGGGGCTGGTCCAGACTGTCGAAACTGGGTCAGAAA
 CTGAAGAGGAAGCAATTTTTGAGTCCTTGATCTGGGCTGCAAAAAGGACAGTATTCAAGCAGGAGTAAA
 GCGTGTGTCCAAGCCAAAAGATGACGGTAACATAGCTGTTGGGTCTGGCTCTGGTCTAGTGACAAGGCC
 ACAAAGAAGCTAAAACCTGATTGTGACTGAGGCCAGTCCAGAAAATGGGAAAGAGTCAGTTGTTAAGT
 TTGGGTCAAGAGCAAAAGATGAGGTGATTAACAAGACTGGCAGTGGTGAACAATTGTAACATAGTACAGA
 AGCTGAAACCATAGTGGGAGCCTGGTCTGGGAAGGAGATGAAGCTAGCTTTGAATCAAATCCTGTACCT
 GTATGCAAGGCCGTTTGTGAACCCGAGTCTTCACTGAGCAGCAACCTGACCTTCCCAGGCTCAGA
 GCTGGATGAGGTCAGTGTTCAGTTTAAAGGCTGGTCCGTTGGGAAAAGCTGGCTCCCACCCATGAACCC
 CTTCCAGATTCCTCAAGAAGCGGCATCTGTTTGCAGAAATGTTTGGGGAAAAGCCTAAGCTTGTGGAA
 GTTGGTCCAGAAAAGGGAGCCTGAACCCAGTTCCTTCCATTTTCAAGTATGATCCCTTTACCGCTCAGTCCGAG
 AAATTCGCGAGCATCTTAAGGCCAGGAAAAGTGCACAGCCAGAGAATTGGTCTTGAACATGCATCCAGTG
 TGAGCTTAGAATTGGTCTGAGGAGTTTGGAGGCTTCTTTTACTGATGGACAGAAATCGTGATCCTTTT
 ATCCATGAGATATCTAAGATTGCAATGGGCATGCGAGGTGCTTCTCAGTTTACCCGGATTTTCATTCGAA
 ACTCGGGCGTTGTCTCCCTGATTGAAGCCTTACTTAACTATCCGTCTCCGAGTGAGGACAAGGTTTTT
 GGAAAATATGGTCCGCATGGCTCCCCCTATCCAGACCTGAACATGATTGAGACATACGTGTGCAGATT
 TCGGAGGACACCTTTGACTATGACTTGGATTCCCCTGATCAGTTGTCGGATTGACAATGATTACACACC
 TCACTGCTACTTCTGACTATCACAAGGTGGTGTCAATTACTTGGCTGGGTTTTTCTACTTACTGAATTC
 AGGCAATACAAAACAAGGTTTCATGTTCTGAAACTGCTACTGAATTTGTCTGAAAACCTTGTGATGACA
 AAACGCCTACTTGTACTGATTCCGTGTGAGAATTTATGGACCTTATTAATAGGGAGGAGTCAGATGAAA
 ACATTCAAATTGTTCTTGAATATTTGAGACTATCAGTAAACATATTCAAAAAGAGGCACTGTTTTCTGA
 TGATGATGATGATGAAGAAGAAGATGCAGTGAATCTTGAACCATTTATTTCTGCATTCCGTGAGGCT
 GAAAAAATTGCCAAGGAACATAAACGCAAACTGGCAATCAAAAAGCACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001005385
- Insert Size:** 4044 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001005385.1, NP_001005385.1</u>
RefSeq Size:	5697 bp
RefSeq ORF:	4044 bp
Locus ID:	67298
UniProt ID:	<u>Q5U4C1</u>
Cytogenetics:	X F1
Gene Summary:	<p>Modulates lysosomal sorting and functional down-regulation of a variety of G-protein coupled receptors. Targets receptors for degradation in lysosomes via its interaction with BECN2.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created using sequences from two different strains, C57BL/6J and C57BL/6, because no single transcript from the same strain was available for the full length of the gene.</p>