

Product datasheet for **MC224295**

Gprasp1 (NM_001004359) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Gprasp1 (NM_001004359) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Gprasp1 |
| Synonyms: | 2210415K24Rik; 3110031O14Rik; C87852; GASP; GASP1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >MC224295 representing NM_001004359 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTAGGGCAGAGGTTGAGCCTGGTGCCAGGCAAAGGCTGAAAATAAGCCTGGGGATGAGAATGCTA
ATGCTGCTGAAGTAGAGCCTGAAGCCCCATTGGTGGTCAGACCCAAGGTTAGGACACAAATCATGACTGG
AGCAAGGCCCAAAGTGAAGCCTAAGGGTACCCCTGGAGCAAGACCTAAAGGTGAAACCAGTACACCAGGT
GGGGCATATGCCAAATGTAACCTAAGGCAATCCCTATTGCTCGATCCAAGCATGATGCCAAAGTGTGGG
CCCCAAATAAGTTTCGTGGCGAGTCCATGTCAAAGATGGGAAAGCAATGTCAGATCAGTGTGCAGACCC
TCCACTGCTCAGTAATGATTCTGGGATGGTTGCTCAAGCTAAGTGCCTGCCTGTAGATAGAGAACTTGCT
AATATGGACACTGAGAGTATTCCAAAAAGGCTAATTCTCCAGCTGGATTCCAGCCTTCCTATGGCTCAG
AGGAGGGAACCAATATGGGGTCTGGTACCGTGCCAGGCCTGTCCCAAAGGAGAGGCCTATGAGAATTC
CGATTTCAAATGGGCAGATAAACCCCTCAGGAAGTCCCTCCTTTTGGAAATAGAGATGAAGCCAGTACAAGA
TTTCGTCTAGGAAAAGCATGAAGGCCAATAACAGGTTTCAGGCATATGGCCAAACAAGAGGCAAATACCA
TGCCTAGGCACAAAAACAACAAGAGTTCTATAATATTTCCAGTTCTGATTCTGAGGATGAGTCTGGTAA
AACTCCCTGGTTCTGGCCAAAGACAAGACCAAGTCTGGTCTAAGCCAAAGAAGAGCCCAATAGTAGG
TCCTGGTTTAGGTCTAAGAAAGAAGTCCGTGTTGAATCCAATCTGGGTCTGAATGTGAAAATCCTACAA
AATCTTTGTTTTGGTCTGGAGAAGAGGCTAAATCTAGATCCAAACCCAGAGCCAGGAAAGGGTCAATAT
GAGGGCCAGGCAGCAGGCAAGCGAGAAGCTTGCAAGTGTCCATGTCTGGAGCTATAGATACAAATAAG
AAAGAGTCTGGTTCTTGCCTGAAGAGAAAGCTAATGTTTTTCAAAGTCTAAGACAAAGAAGAGCCCA
GAACCAGAGCAGTGCCAAAGGAAGAAGTCAAACCTAAGGCCAGAGCAAGTACCAAGCAAGAAGCCAGGCC
AGAGGAGGAAGTCTCGTTGGGGCTTGGTTCTGGGACACCCAGGAGTCCACTATGGCAGATAGGATAAGC
ATCAAGACCCTTTGTAGAGGAGGAGCCATTGTTGGAGATTGGTTCTGGAGTGAAGAAGAAGCCAGTG
TGGACTCTGAGACCTGTCATACATCCAGACCCAGGGCTAAGGAGGAGCAAGTTAGTAGTTTCTGTTTAGG
GTCTGAAAGAAGAGCAGTATGAAAGTGGCCAAAGGCTACTTCTAAATCTATGCCAGTAGCTAAGGAG



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GATGAGGTCGTTATTGGGTCCTGGTTCTGGGCAGATGATGAAGAGATCAACTTACAGGCTGATGACGAGT
 CTATTTTTGGATCTTGGTTCTGGGGCACTGGTGAGAACAGCCTTAGATCTGTTGGAGTCAATTGTGAGAA
 GATGCCGAAGGCTGGAGAAAAAGGTTACTGATTCCTGGTTCTGGGCTGGAGATGTCAATACAGAGGCT
 GAGGTTGAAGAACAGGCCAGGTCGGCATCTACAAAAGCAACAATCTTTGTGCCTTGGTTTTGGTCTGAAA
 AGCAGCCGAACATGGATTTAGGGTCTGAACCTTGCTCAGATATCATGGCAGGAGCTGAGGAGGAGCCCAT
 AATTGGGCCCTGGTTCTGGGCTAAAGTAGATAAATAGTGTGGAGGCTGAAGTTAACAGTAAGTCTAGCCTT
 GAGGATGAGGAAGAACCATTAGATCCCCTTGGTTTGGGGCCAGAGAACAACCCGATATGAAGTATGCAG
 CTGGTATCAGATACAAGCCTATGGCAGAAGCTGAGGATGCTAACAAAAAGTCTTGTGTCTGGGCAAAAGA
 ACCCTGTTTGTATCCTACCAATAGAGAATGCTTGAATCTACTCTGGGAGAAAAAGACACTGTTGAT
 CCATGGCTCTGGTCCAATAATTATCCAAGGACCAAGACCATCACAGGCTCCTGGCTATGGGCTGCAGAAG
 AGGGAAATATAGATGATGAGACTGGAGAAAAGATTAACTACCAACTTTAGAGGACAATGCATTCAATTC
 TTGGTTCTGGAAGAAAAATGAAGAAAGCATTGTAGAGGCTCCCAAGAGAGAAGAATTGAGCCAGAAAGCG
 GAAGAGGAAGACATTATTGGTCTTGGTTTTGGGCTGGGATGAAGACAGGTTTGGCCAGCTGCTAAGA
 TTAATGAAGAGAACAAGATAGCATCTGAAGATGAAGATACAGTTGGATCCTGGTTCTGGGCAATGAAGA
 GGCCAGCTAGAGGCAGTGAGAAGGGTACTTTTGAGTCTGCTCCTGGGATTAAGGAAGAGAAAGTTACT
 GGGTCATGGTTCTGGACTGATAAGGCCAAAGTAGGGGCTGGGTCCCAGACTGTGCAAACTGGGTCAGAAA
 CTGAAGAGGAAGCAATTTTTGAGTCCTTGTATCTGGGCTGCAAAAAAGGACAGTATTCAAGCAGGAGTAAA
 GCGTGTGTCCAAGCCAAAAGATGACGGTAAACATAGCTGTTGGGCTCCTGGCTCTGGTCTAGTGACAAGGCC
 ACAAAAAGAGCTAAAACCTCTGATTGTCACTGAGGCCAGTCCAGAAAAATGGGAAAGAGTCAGTTGTTAAGT
 TTGGGTCAAGAGCAAAAGATGAGGTGATTAACAAGACTGGCAGTGGTGACAATTGTAACATAGTACAGA
 AGCTGAAACCATAGTGGGAGCCTGGTCTGGGAAGGAGATGAAGCTAGCTTTGAATCAAACTCCTGTACCT
 GTATGCAAGGCCGTTTGTGAACCCGAGTCTTCACTGAGCAGCAACCTGACCCTTCCCGCAGGCCCTCAGA
 GCTTGGATGAGGTCAGTGTTCAGTTTAAAGCTGGTCCGTTGGGGAAAAGCTGGCTTCCCACCCATGAACCC
 CTTGAGATTCGCCAAAGAAGCGGCATCTCTGTTTGCAGAAATGTTTGGGGAAAAGCCTAAGCTTGTGGAA
 GTTGGTCCAGAAAAGGAGCCTGAACCCAGTTCACATTTCAAGTATGATCCCTTACCCTCAGTCCGAG
 AAATTCGCGAGCATCTTAAGGCCAGGAAAGTGCACAGCCAGAGAATTGGTCTTGAACCTGCATCCAGTG
 TGAGCTTAGAATTGGTCTGAGGAGTTTGGAGCTTCTTTTACTGATGGACAGAAATCGTGATCCTTTT
 ATCCATGAGATATCTAAGATTGCAATGGGCATGCGAGGTGCTTCTCAGTTTACCCGGATTTTCATTCGAA
 ACTCGGGCGTTGTCTCCCTGATTGAAGCCTTACTTAACATCCGCTCCTCCGAGTGAGGACAAGGTTTTT
 GAAAAATATGGTCCGCATGGCTCCCTTATCCAGACCTGAACATGATTGAGACATACGTGTGTCAGATT
 TGGCAGGACACCTTTGACTATGACTTGGATTCCCCTGATCAGTTGTCCGATTGACAATGATTACACACC
 TCACTGCTACTTCTGACTATCACAGGTGGTTGTCAATTAAGTGGCTGGGTTTTTCTACTTACTGAATTC
 AGGCAATACAAAACAAGGTTTCATGTTCTGAACTGCTACTGAATTTGTCTGAAAACCTTGTGATGACA
 AAACGCCTACTTGTACTGATTCGGTGTGAGAATTTATGGACCTATTAATAGGGAGGAGTCAGATGAAA
 ACATTCAAATTGTTCTTGAATATTTGAGACTATCAGTAAACATATTCAAAAAGAGGCACTGTTTTCTGA
 TGATGATGATGATGAAGAAGAAGATGCAGTGAATCTTGAACATTTATTTCTGCATTCCGTGAGGCT
 GAAAAAATTGCCAAGGAACATAAACGCAAACTGGCAATCAAAAAGCACCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001004359

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).

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| 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_001004359.2</u> , <u>NP_001004359.1</u> |
| RefSeq Size: | 5811 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 (2) 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> |