

## Product datasheet for **MC221905**

### Gprasp2 (NM\_001163015) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gprasp2 (NM_001163015) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gprasp2
Synonyms:	5330440H13Rik; GASP-2; GASP2; Prpl5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221905 representing NM\_001163015  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACTGGGGCAGAAGTTGAGACCGGTTCTCAGGCCAAGCCTGATAAGAAGCCTCAGGAAGAGGTGCGAG  
 GTGGGGCTGAGAGAGAAAGTGAAGCCCCTCTGGTGGTCAGACCCAAAGTCAGGCCTCAGGCTCCAGCAAC  
 AAGTGGTCTAGGCCAAAAGTAAACTAAATCTTCTCTCGGGCAAGGCCTAAAAGTAAACCCAGTCA  
 GTGTCTGGAACAAGACACCGAATGAGTGGAGCAAGGCCGAGATCTGAGGCTCAATTAATGTCTGGGGCCA  
 GGCCTAAAACCGATGCCAGGGCAGTAGGTGGTCTCGCCCTAAGACTGAGGCCAAGCCAATCCCAGGAGC  
 AAGGCCTAAGGGTATGCCAGGCTTGGGCCACAGTGAAGTTGGAGCCGAGGCAATGCCACGTGCTGAG  
 AGAGCACACTTACTAATCTGTACATGGCCACCAGTCAATGTTGGTCTGCAACTGTTACTAAATCTA  
 AGAGTCTGTCTATGAATACAGAAGTGGCCAGTATGGGTAGTAAATCTTTCTGGACCCAGGGTACGCC  
 TGAATCGAGCCCTGGTTGGACCGAGAGAAGAGGCTAATATGGGTTCTGGTGTATCCCAGGCCCAGA  
 GCCAGAGAGGAGACCTCTAATGAGTCTGCAGATGAAAAGTCTACAATGTCTTCTTTCTGGACTAGAGAGG  
 AGACTAGTATCAGATCATGGCCCAGGGAAGAGGTGAACACTAGGTCCAGGCACAGGGCTAAACATCAGAC  
 TAATGCCAGGTCGAAGCCAGATCCAAACAAGATCCCTATATTGATTCTTTGTCTGGGTCCGAGGATGAG  
 GCCAGTAACCCATTCTGCTTTTGGGCTGGAGAAAACTAATGACATGTTTAGGGCCAGAGGCAGGGATG  
 AGGCGAATGCCAGACCAAGATCAGGACAAAGAGAGAGGACTATTTTGAAGATGAAGATGAGATCTATAA  
 AGAGTCTGGCTTTTGCCTGGGGAAGAGGGTAATAGATTTAGGCGCCGAGACAAGGAAGAGCCTAATAAG  
 ACCTTGAAAAATGAGAACGAAAAAGATGTTAAAAATGATGAAACAGTGAACAAGAGTCCAGGCTTGAGG  
 AGGAAGTCATTATTGGGCTCTGGTCTGGGCAGAACAGGAGACTAATGTGGAGGCTGGAGCTTCAGCAAT  
 CTGTGACGCTGAACCAAGGGCTGAAGAGGGGCCATTGGTGGATCCCTGTTCTGGACCGAAGAAAAAGCCT  
 AGTTTGGGGCTGTGGCCAGAGATGAGGTGAGGCTGAGTCTGAAGAAGAGGCACTATTTGGGCTCTGGT  
 TTTGGGATAGGGATGAGGCTGCTTTGACCCAAATCCTACTCCTGTGTACACAGCTAAGAGCAGGTACAG  
 AGATCCAGAAGAGGATCTTAATTTAGCATCCAGGCCAAAACCTGGGACGAGGTTACCATCGAATTCAAA  
 CCTCCTTGCCATGGGCTTGGGTTCCCTTCCCAAGACCTTTATCATTCTGAAGGGCTTCTGAAATA  
 GTGAGGAAAAAGCCAAGAATGCAGAGCTTGGCGCAGAGGGGAAGAGCAGGACTCTGTGGCTCAGCGTGA  
 TCTTCTGAACCCGAGTTTCCATTTAGTATGATCCCTCTTACCCTCAGTCCAGGAAATTCGCGAGCAT  
 CTTAAGGCCAGGAAAGTGCACAGCCAGAGAATGGTCTTGCACCTGCATCCAGTGTGAGCTTAGAATTA  
 GTTCTGAGAATTTGAGGAGCTTCTTTACTGATGGACAGGATTCGTGATCCTTTTATCCATGAGATAGC  
 TAAGATTGCAATGGGCATGAGAAGTCTTCTCAGTTTACCCGGGATTTTCATTTCGCGATTCCGGGTGTTGTC  
 TCACTGATTGAAGCCTTATGATGAATTATCCTTCTCCCGAGTGGAGACTAATTTTTTGGAAAAATGGTTC  
 ACATGGCTCCCCCTTATCCAAATCTAAACATGATTGAGACATTTATTTGTCAAGTGTGTGAGGAGACT  
 TTCACATAGCGTGAATTTCCCTGAACAGCTAAGTGAATGAGGATGCTTAGACATCTCACTATAACTACT  
 GACTATCACGTAAGTATGCAATACGTGTCTGGGTTTCTCGCCTTATTAACCAGGCGATGCAAGAA  
 CCAAGTTTCATGTTCTGAAAAAGTCTGTTGAACTGTCTGACAATCCGATGGTGGCAAAAAAACTATTGAG  
 TGCCAAAAGCTCTAATATTTGTTGGTCTCTTAAACATAGAGGAGACTAATGATAACATTCAGATTGTT  
 ATTAAGTGTTCAGAACATCAGTAATATTGTAAGAAAGTGGAGCGATGCTTTACTTGATGATGATTTCA  
 GTCTTGAGCCGCTTGTCTGCATTTGATGAAATTTGAAGAGCTAGCTAAACAGCTGCAGATCCAAATAGA  
 CAATCAAATGATCCCGAGGAGGACAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001163015  
**Insert Size:** 2481 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001163015.1</a> , <a href="#">NP_001156487.1</a>
<b>RefSeq Size:</b>	3814 bp
<b>RefSeq ORF:</b>	2481 bp
<b>Locus ID:</b>	245607
<b>UniProt ID:</b>	<a href="#">Q8BUY8</a>
<b>Cytogenetics:</b>	X 57.3 cM
<b>Gene Summary:</b>	<p>May play a role in regulation of a variety of G-protein coupled receptors.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>