

## Product datasheet for **MR217990**

### Gprasp2 (NM\_001163017) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gprasp2 (NM_001163017) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gprasp2
Synonyms:	5330440H13Rik; GASP-2; GASP2; PrpI5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR217990 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGACTGGGGCAGAAGTTGAGACCGGTTCTCAGGCCAAGCCTGATAAGAAGCCTCAGGAAGAGGTGCGAG  
GTGGGGCTGAGAGAGAAAGTGAAGCCCCTCTGGTGGTCAGACCCAAAGTCAGGCCTCAGGCTCCAGCAAC  
AAGTGGTCTAGGCCAAAAGTAAACTAAATCTTCTCTCGGGCAAGGCCTAAAAGTAAACCCAGTCA  
GTGTCTGGAACAAGACACCGAATGAGTGGAGCAAGGCCGAGATCTGAGGCTCAATTAATGTCTGGGGCCA  
GGCCTAAAACCGATGCCAGGGCAGTAGGTGGTCTCGCCCTAAGACTGAGGCCAAGCCAATCCCAGGAGC  
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AGAGCACACTTATCTAATCTGTACATGGCCACCAGTCAATGTTGGGTCTGCAACTGTTACTAAATCTA  
AGAGTCTGTCTATGAATACAGAAGTGGCCAGTATGGGTAGTGAATCTTTCTGGCACCCAGGGTACGCC  
TGAATCGAGCCCTGGTTGGACCGAGAGAAGAGGCTAATATGGGTTCTTGGTGTATCCCAGGCCCAGA  
GCCAGAGAGGAGACCTCTAATGAGTCTGCAGATGAAAAGTCTACAATGTCTTCTTCTGGACTAGAGAGG  
AGACTAGTATCAGATCATGGCCAGGGAAGAGGTGAACACTAGGTCCAGGCACAGGGCTAAACATCAGAC  
TAATGCCAGTTCGAAGCCAGATCCAAACAAGTCCCTATATTGATTCTTTGTCTGGGTCCGAGGATGAG  
GCCAGTAACCCATTCTGCTTTTGGGCTGGAGAAAATACTAATGACATGTTTAGGGCCAGAGGCAGGGATG  
AGGCGAATGCCAGACCAAGATCAGGACAAAGAGAGAGGACTATTTTGAAGATGAAGATGAGATCTATAA  
AGAGTCTGGCTTTTGCCTGGGGAAGAGGGTAATAGATTTAGGCGCCGAGACAAGGAAGAGCCTAATAAG  
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TCACTGATTGAAGCCTTATGATTATCCTTCCCTCCCGAGTGGAGACTAATTTTTTGGAAAAATGGTTC  
ACATGGCTCCCCCTTATCCAAATCTAAACATGATTGAGACATTTATTTGTCAAGTGTGTGAGGAGACT  
TTCACATAGCGTGAATTCCTTGAACAGCTAAGTGAATGAGGATGCTTAGACATCTCACTATAACTACT  
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CCAAGTTTCATGTTCTGAAAAATGCTGTTGAACTGTCTGACAATCCGATGGTGGCAAAAAAACTATTGAG  
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ATTAAGATGTTTCAGAACATCAGTAATATTGAAAAAGTGGAGCGATGCTTTACTTGATGATGATTTCA  
GTCTTGAGCCGCTTGTCTGCATTTTCAATTTGAAGAGCTAGCTAAACAGCTGCAGATCCAAATAGA  
CAATCAAAATGATCCCGAGGAGGACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

&gt;MR217990 protein sequence

Red=Cloning site Green=Tags(s)

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MTGAEVETGSQAKPKKPQEEVAGGAERESEAPLVVRPKVVRPQAPATSGARPKTETKSSSRARPKTETQS
VSGTRHRMSGARPRSEAQLMSGARPKTDARAVGGARPKTEAKPIPGARPKGDAQAWAHSEFGAEAMPRAE
RAHLNSVTPPPVNVGSATVTKSKLSMNTELASMGSEIFSGTQGQPGIEPWFPGPREEANMGSWCYPRPR
AREETSNESADENSTMSSFWTREETSIRSWPREEVNTSRHRRAKHQTNARSKPRSKQDPYIDSLSGSEDE
ASNPFCFWAGENTNDMFRARGRDEANARPKIRTKREDYFEDEDEIYKESWLLPGEENRFRRRDKEEPNK
TLKNENEKDVKNDETVEQESRLEEEVIGSWFWAEQETNVEAGASAI CDAEPGAEEGAIGGSLFWTEEKP
SLGAVARDEVPESEEEALFGSWFWRDEACFDPNPTPVYAKSRYRDPEEDLNLASRPKTWDEVITIEFK
PPCHGLGFSPRPFIIPEGASGNSEEKAKNAELGAEGEEQDSVAQRDLPEPEFPFYDPSYRSVQEIREH
LKARESAQPENWSCTCIQCELRISSAEFEELLLLMDRIRDPIHEIAKIAMGMRTASQFTRDFIRDSGVV
SLIEALMNYPSSRVRTNLENMVMHAPPYPNLNMIETFCQVCEETLSHSVNSPEQLTGMRMLRHLTITT
DYHVLIANVYVSGFLALLTTGDARTKFHVLKMLLNLSNPMVAKKLFSAKALSIFVGLFNIEETNDNIQIV
IKMFQNISNIVKSGAMSLDDDFSLLEPLVSAFHEFEELAKQLQIQIDNQNDPEEGQ
  
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



**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.

**RefSeq:** [NM\\_001163017.1](#), [NP\\_001156489.1](#)

**RefSeq Size:** 3761 bp

**RefSeq ORF:** 2481 bp

**Locus ID:** 245607

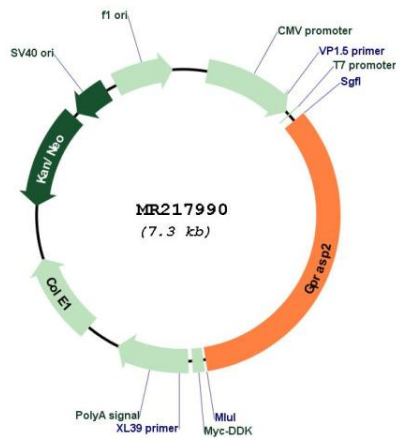
**UniProt ID:** [Q8BUY8](#)

**Cytogenetics:** X 57.3 cM

**MW:** 92.8 kDa

**Gene Summary:** May play a role in regulation of a variety of G-protein coupled receptors.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR217990