

Product datasheet for **RG215168**

GPRASP2 (NM_138437) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPRASP2 (NM_138437) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPRASP2
Synonyms:	DFNX7; GASP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG215168 representing NM_138437
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTGGGGCAGAGATTGAGCCTAGTGCCAGGCCAAGCCTGAAAAGAAGGCTGGGAAGAGGTTATCG
 CTGGGCCTGAGAGAGAGAATGATGTCCCTCTGGTGGTCAGACCCAAGGTTAGGACCCAGGCAACTACTGG
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 AGGCACAGAGACAAAGAAGATCCTAATACTGCCTTGAACCTCAGGGCCAGAAAAGATGTTGACAGTGATA
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 GAAAGATGTCCTTAATTGATGATGATTTAGTCTTGGCCGCTTATTTCTGCATTTCTGTAATTTGAGGA
 GTTAGCTAAGCAACTACAAGCCCAATAGACAACCAAAATGATCCTGAGGTGGGACAACAAAGT

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG215168 representing NM_138437
 Red=Cloning site Green=Tags(s)

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MTGAEIEPSAQAKPEKKAGEEVIAGPERENDVPLVVRPKVVRTQATTGARPKTETKSVPAARPKTEAQAMS
GARPKTEVQVMGGARPKTEAQGITGARPKTDARAVGGARSKTDAKAI PGARPKDEAQAQSEFGTEAVS
QAEGVSTNAVAWPLATAESGVTKSKGLSMDRELVNVAETFPGTQGGKGIQPWFGPEETNMGSWCYS
RPRAREEASNESGFWSADETSTASSFWTGEETS VRSWPRESNTRSRRHAKHQTNPRSRPRSKQEAYVDS
WSGSEDEASNPF SFWVGENTNLF RPRVREEANIRSKLRTNREDCFESESEDEFYKQSWVLPGEEANSRF
RHRDKEDPNTALKLRAQKDVSDRVKQEPREEEVIIGSWFWAEKEASLEGGASAICESEPGTEEGAIGG
SAYWAEKSSLGAVAREEAKPESEEEAIFGSWFWDRDEACFDLNPCPVYKVSDFRDAEEELNASSRPQT
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EETNDNIQIVIKMFQNISNI IKS GKMSLIDDDFSLEPLISAFREFEELAKQLQAQIDNQNDPEVGQQS
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138437

ORF Size: 2514 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_138437.6](#)

RefSeq Size: 3494 bp

RefSeq ORF: 2517 bp

Locus ID: 114928

UniProt ID: [Q96D09](#)

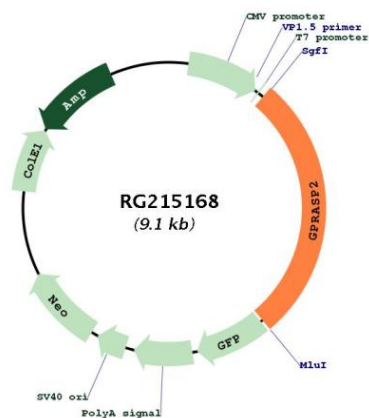
Cytogenetics: Xq22.1

Domains: DUF634

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is a member of a family that regulates the activity of G protein-coupled receptors (GPCRs). The encoded protein has been shown to be capable of interacting with several GPCRs, including the M1 muscarinic acetylcholine receptor and the calcitonin receptor. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, May 2010]

Product images:



Circular map for RG215168