

Product datasheet for **MG209174**

Gpr162 (NM_013533) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr162 (NM_013533) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gpr162
Synonyms:	A-2; BC031437; Grca
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209174 representing NM_013533
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCGGGGAGGGTTGGGGCAGAAGAGGCCTCCCTACGCTCAAACGCATTGTCTGGCTGGCCTGTG
 GGCTCCTGGCCCTGCTGGCCAACGCTTGGATCATCCTTAGCATCTCAGCCAAACAGCAGAAACACAAGCC
 ACTGGAGTTACTGCTCTGCTTCTCGGCCGTACTIONACTCATGGCGCTGTGCCCTTACCACCTTT
 GCTGTGGTGCAGCTCCGGCGCCAGGCTTCTCTGACTATGACTGGAACGAGAGCATCTGCAAGGTCTTTG
 TGTCCACCTACTACAGCTGGCCCTGGCCACCTGCTTACGGTGCCTCGCTCTCTACCATCGCATGTG
 GATGGTGCATGGCCGTTAACTACCGCTCAGCAACGCCAAGAAGCAGGCGCTGCATGCCGTATGGGC
 ATCTGGATGGTCACTTCCCTCTCCAGCTGCCCTCCATCGGCTGGCACAACAACGGGAGCGCTACT
 ATGCCCGAGGCTGCCAGTTCATAGTCTCAAGATCGGCCCTGGTTTTGGTGTCTGCTTACGCTCTGCT
 TCTTGGGGCATTGTGATGGGGTTGGTCTGTGTGGCTATCACATTCTATCAGACACTGTGGGCCCGCCC
 CGGAGGGCTCGGACGGCCGGAGAGCGGGGGCAGTGTGGCACCAAGCAGGGGGCTGGGGGGTTGG
 GTACCCGGCCAGCTTTTGTAGGTGCCAGCCATTGTGGTGGAGGATACTCGAGGGAAGCGGGCTCCTCGT
 GGATGGCTCTGAATCTGCCAAGACATCCTTGCAGGTACCAACTTGGTACGCGCCATCGTCTTCTCTAT
 GACTCACTACGGGGTGCCTATTTTGGTGGTGGAGCTTCTTCTCCTTGAAGTCACTCAGCTCCGCCAT
 GGATGGTGTGGCAGTGTGGTGTCCATGGCAGACACTGCTCCTGCCCTCCTTATCTGGTCTGTG
 TGAGCGTACCGTGCAGATGTGCGCACAGTGTGGGAGCAGTGTGTGGCGATCATGTCCGAGGATGACGGT
 GATGACGATGGCACCTGTGACGACTACACAGATGGCCGAGTGTGCAAAATTCGCTTTGATGCTAACGGGG
 CCACAGGGTCAGGGAGTCGGGACCCACCCAGGTGAAGCTGCTGCCTGGGCGGCACATGCTTCCACC
 GCTGGAGAGAGTACACTACTTACAGTCCCTTTGTCCGACGATTATCCACGATGAGACCAACATCTTT
 TCTACTCCTCGGGCACCAGGCTCCTTCTCGACAAGTGGTCTCATCGGATGATATCCGGATCCTCCAG
 CCCAGAGCCGAGCCCTCGGAGGCCCTCCAGAATACCTGGGACAGAGACACAGGCTGGAGGATGAGGAGGA
 TGAGGAAGAGGCTGAAGGCGGGGCTTGGCCAGCCTTGCAGAGTTCTAGAAAAGTGGGGTCTGGGGTGC
 GGTGGGGGACCCACAGGTCCTCGGTTTTTCCGGGAGGAGATCACCACCTTATCGATGAGACACCTC
 TGCCTTCTCAACTGCGTACCAGGACCTCCTCGTAGGCCTAGACCCTGGGTTTTTACCTCGACG
 GCTCTCCCTTGGGTCTCCGGATAGCCGAGCCGTTGGACTTCTTTGGGGTAAAGTGCAGGAAGACGCTGT
 TCCCTGACCGGGAGCGAAGGGAGTCAAGGGCTTGGGGAAGACCTGGGGCCAGGTAACCCCATCTTCC
 CCCAGTTGACCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209174 representing NM_013533
 Red=Cloning site Green=Tags(s)

MARGGLGAEASLRNALSWLACGLLALLANAWIILSISAKQKHKPLELLLFLAGTHILMAAVPLTTF
 AVVQLRRQASSDYDWNESICKVFVSTYYTLALATCFVAVSLSYHRMWMVRWPVNYRLSNAKKQALHAVMG
 IWMVSFILSTLPSIGWHNNGERYYARGCQFIVSKIQLGFGVCFLLLLGGIVMGLVCVAITFYQTLWARP
 RRARQARRAGGSVGTAKAGLGLGTRPAFEVPAIVVEDTRGKRRSSLDGSEAKTSLQVTNLVSAIVFLY
 DSLTGVPILVVSFFSLKSDSAPPWMLAVLWCSMAQTLPLPSFIWSCERYRADVRTVWEQCVAIMSEDDG
 DDDGTCDYTDGRVCKIRFDANGATGSGSRDPTQVKLLPGRHMLFPPLERVHYLQVPLSRRLSHDETNIIF
 STPRAPGSFLHKWSSDDIRILPAQSRALGGPPEYLGQRHRLDEDEDEEAEGGLASLRQFLESGVLGS
 GGPPRPGPFREEITTFIDETPLPSPTASPGSPRRRPLGFSPRRLSLGPDSRAVGLPLGLSAGRRR
 SLTGSESSRAWGRPWGPNIFPQLTL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<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:	NM_013533.4
RefSeq Size:	2676 bp
RefSeq ORF:	1767 bp
Locus ID:	14788
UniProt ID:	Q3UN16
Cytogenetics:	6 59.17 cM
Gene Summary:	Orphan receptor.[UniProtKB/Swiss-Prot Function]