

Product datasheet for **MR209174**

Gpr162 (NM_013533) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr162 (NM_013533) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr162
Synonyms:	A-2; BC031437; Grca
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209174 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCGGGGAGGGTTGGGGCAGAAGAGGCCTCCCTACGCTCAAACGCATTGTCTGGCTGGCCTGTG
 GGCTCCTGGCCCTGCTGGCCAACGCTTGGATCATCCTTAGCATCTCAGCCAAACAGCAGAAACACAAGCC
 ACTGGAGTTACTGCTCTGCTTCTGCGCCGTAATCATATACTCATGGCGCTGTGCCCTTACCACCTTT
 GCTGTGGTGCAGCTCCGGCGCCAGGCTTCTCTGACTATGACTGGAACGAGAGCATCTGCAAGGTCTTTG
 TGTCCACCTACTACAGCTGGCCCTGGCCACCTGCTTACGGTGCCTCGCTCTCTACCATCGCATGTG
 GATGGTGCATGGCCGTTAACTACCGCTCAGCAACGCCAAGAAGCAGGCGCTGCATGCCGTATGGGC
 ATCTGGATGGTCACTTCACTCTCCACGCTGCCCTCCATCGGCTGGCACAACAACGGGAGCGCTACT
 ATGCCCGAGGCTGCCAGTTCATAGTCTCAAGATCGGCCCTGGTTTTGGTGTCTGCTTACGCTCTGCT
 TCTTGGGGCATTGTCTGGGGTGGTCTGTGTGGCTATCACATTCTATCAGACTGTGGGCCCGGCC
 CGGAGGGCTCGGAGGCCCGGAGAGCGGGGGCAGTGTGGCACCAAGCAGGGGGCTGGGGGGTTGG
 GTACCCGGCCAGCTTTTGTAGGTGCCAGCCATTGTGGTGGAGGATCTCGAGGGAAGCGGGCTCCTCGT
 GGATGGCTCTGAATCTGCCAAGACATCCTTGCAGGTACCAACTTGGTACGCGCCATCGTCTTCTCTAT
 GACTCACTACGGGGTGCCTATTTTGGTGGTGGAGCTTCTTCTCCTTGAAGTCACTCAGCTCCGCCAT
 GGATGGTGTGGCAGTGTGTGGTCCATGGCAGACACTGCTCCTGCCCTCCTTCACTGGTCTGT
 TGAGCGTACCGTGCAGATGTGCCACAGTGTGGGAGCAGTGTGTGGCGATCATGTCCGAGGATGACGGT
 GATGACGATGGCACCTGTGACGACTACACAGATGGCCAGTGTGCAAAATTCGCTTGTATGCTAACGGGG
 CCACAGGGTCAGGAGTCCGGACCCACCCAGGTGAAGCTGCTGCTGGCGGCACATGCTTCCACC
 GCTGGAGAGAGTACACTACTTACAGTCCCTTTGTCCGACGATTATCCACGATGAGACCAACATCTTT
 TCTACTCCTCGGGCACCAGGCTCCTTCTGCAAGTGGTCTCATCGGATGATATCCGGATCCTCCAG
 CCCAGAGCCGAGCCCTCGGAGGCCCTCCAGAATACCTGGGACAGAGACACAGGCTGGAGGATGAGGAGGA
 TGAGGAAGAGGCTGAAGGCGGGGCTTGGCCAGCCTTGCAGAGTTCTAGAAAAGTGGGGTCTGGGGTGC
 GGTGGGGGACCCACGAGGTCCCGTTTTTCCGGGAGGAGATCACCACCTTCACTGATGAGACACCTC
 TGCCTTCTCAACTGCGTACCAGGACCTCCTCGTAGGCCTAGACCCTGGGTTTTTCACTCGACG
 GCTCTCCCTGGGTCTCCGATAGCCGAGCCGTTGGACTTCTTTGGGGTAAAGTGCAGGAAGACGCTGT
 TCCCTGACCGGGAGCGAAGGGAGTCAAGGGCTTGGGGAAGACCTGGGGCCAGGTAACCCCATCTTCC
 CCCAGTTGACCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209174 protein sequence
 Red=Cloning site Green=Tags(s)

MARGGLGAEASLRNALSWLACGLLALLANAWIILSISAKQKHKPLELLLFLAGTHILMAAVPLTTF
 AVVQLRRQASSDYDWNESICKVFVSTYYTLALATCFVAVSLSYHRMVMRWPVNYRLSNAKKQALHAVMG
 IWMVSFILSTLPSIGWHNNGERYARGCQFIVSKIGLFGVCFSLLLLGGIVMGLVCVAITFYQTLWARP
 RRARQARRAGGSVGTAKAGLGLGTRPAFEVPAIVVEDTRGKRRSSLDGSESAKSLQVTNLVSAIVFLY
 DSLTGVPILVVSFFSLKSDSAPPWMLAVLWCSMAQTLPLPSFIWSCERYRADVRTVWEQCVAIMSEDDG
 DDDGTCDDYTDGRVCKIRFDANGATGSGSRDPTQVKLLPGRHMLFPPLERVHYLQVPLSRRLSHDETNI
 STPRAPGSFLHKWSSDIRILPAQSRALGGPPEYLGQRHLEDEDEEEAEGGGLASLRQFLESGLVLS
 GGGPPRGPFFREEITTFIDETPLPSPTASPGPSPRRPRPLGFSPRRLSLGSPDSRAVGLPLGLSAGRR
 SLTGSESSRAWGRPWGPNIFPQLTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_013533

ORF Size: 1767 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_013533.4](#)

RefSeq Size: 2676 bp

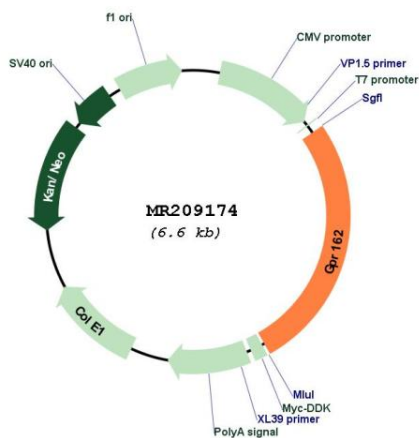
RefSeq ORF: 1767 bp

Locus ID: 14788

UniProt ID: [Q3UN16](#)

Cytogenetics: 6 59.17 cM
 MW: 64.1 kDa
 Gene Summary: Orphan receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209174