

Product datasheet for MC212798

Gpbar1 (NM_174985) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpbar1 (NM_174985) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpbar1
Synonyms:	BG37; GPCR; GPR131; M-BAR; TGR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NM_174985.1 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGACACCCAACAGCACTGAGCTGTGCGCCATTCATGGGGTTCTGGGGCTTTCCTTGGCCCTGG
CAAGCCTCATCGTCATCGCCAACCTGCTCCTGGCCCTAGGCATCGCCCTGGACCGCCACTTGGCAGCCC
ACCTGTGGCTGCTTCTCCTAAGCCTACTACTAGCCGGCTGCTCACAGGGCTGGCACTGCCATGCTG
CCTGGGCTATGGAGCCGGAACCATCAGGGCTACTGGTCTGCCTCCTTCTCCACTTGACCCCAACTTTT
GTTTCCTTCCCTGCTTGCCAATCTGCTGCTGGTGCATGGGGAACGCTACATGGCAGTGTTCAGCCACT
CCGGCCCCATGGAAGTGTGCGGCTAGCCCTGTTCTCACCTGGGTGAGTCCCTGTTCTTTGCCAGCCTG
CCTGCTCTGGGCTGGAACCATTTGAGCCCTGATGCCAACTGCAGCTCCCAAGCTGTCTTCCAGCCCTT
ACCTCTACCTGGAAGTTTATGGCCTCCTGTTGCCGTGCCGTGGGGGCCACTGCCCTTCTCTGTCCGCGT
GTTGGCCACTGCCACCGCCAGCTGTGTGAGATCCGCCGACTGGAGCGGGCAGTGTGCCGCGATGTACCC
TCAACCCTGGCTAGGGCTCTCACCTGGAGGCAGGCTAGGGCACAGGCAGGAGCCACACTGCTTCTTTCG
TGTGTTGGGGCCCTATGTGGCCACATTGCTCCTGTGAGTCTTGGCCTATGAGCGTCGCCACCAGTGG
GCCTGGAACCTGTATCGCTCATCTCATTGGGCAGCACCAGTGTGCCGCTGTGCCTGTGGCCATGGGG
CTGGGTGATCAGCGCTACACAGCCCCCTGGAGGACAGCTGCCAAAGGTGTCTACGAGTGCTTCGAGGAA
GAGCCAAGAGGGACAATCCAGGCCCCAGCACTGCCTACCACACCAAGTACCAATGCAGCATTGACCTGGA
CTTGAATTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1502_e05.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_174985
Insert Size:	990 bp
OTI Disclaimer:	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).
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_174985.1 , NP_778150.1
RefSeq Size:	990 bp
RefSeq ORF:	990 bp
Locus ID:	227289
UniProt ID:	Q80SS6
Cytogenetics:	1 38.53 cM
Gene Summary:	Receptor for bile acid. Bile acid-binding induces its internalization, activation of extracellular signal-regulated kinase and intracellular cAMP production. May be involved in the suppression of macrophage functions by bile acids (By similarity). Involved in bile acid promoted GLP1R secretion.[UniProtKB/Swiss-Prot Function]