

Product datasheet for MR205785

Gpr173 (NM_027543) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gpr173 (NM_027543) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Gpr173
 Synonyms: 3230401K02Rik; Sreb3
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR205785 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCAACACCACCGGAGAGCCCGAAGAGGTGAGCGGCGCACTGTCTCTGCCATCAGCATCGGCTTATG
 TGAAGCTGGTGTCTGGGACTGATCATGTGTGAAGCCTGGCAGGCAATGCCATCTTGTCCCTGCTGGT
 GCTCAAGGAGCGTGCCCTGCACAAGGCTCCTTACTACTTTCTGCTGGACCTGTGCCTAGCCGATGGCATA
 CGCTCTGCCATCTGCTTCCCCTTGTACTGGCTTCTGTGCGCCATGGCTCCTCATGGACCTTCAGTGCAC
 TCAGCTGTAAGATTGTGGCCTTTATGGCTGTGCTTTTTGCTTCCATGCGGCCTTCATGCTGTTCTGCAT
 CAGCGTACCCGCTACATGGCCATCGCCACCACCGCTTCTATGCCAAGCGCATGACACTCTGGACATGC
 GCAGCTGTCTATGATGGCCTGGACCTTGTCTGTGGCCATGGCTTTCCACCTGTCTTTGATGTGGGCA
 CCTACAAGTTTATCCGAGAGGAGGACCAGTGCATCTTTGAGCATCGCTACTTCAAAGCAAATGACACACT
 GGGCTTTATGCTTATGTTGGCTGTGCTCATGGCAGCCACACATGCTGTCTATGGCAAGCTGCTACTCTTC
 GAGTATCGTCACCGCAAGATGAAGCCAGTGCAGATGGTGGCAGCCATCAGCCAAAAGTGGACATTCCATG
 GCCCTGGGGTACCGGCCAGGCTGCTGCCAACTGGATCGCTGGTTTTGGCCGTGGGCCATGCCACCAAC
 TCTGCTGGGTATCCGGCAGAATGGGCATGCAGTAGCCGGCGGCTACTGGCATGGACGAGGTCAAGGGT
 GAAAAGCAGCTGGGCCGAATGTTCTACGCGATTACACTGCTCTTCTGCTCCTCTGGTCAACATACATTG
 TGGCCTGCTACTGGCAGTGTGGTGAAGCCTGCGCTGTGCCACCAGCTACTTGGCCACTGCTGTTTG
 GATGAGCTTCGCCAGGCTGCCGTCACCCAATCGTCTGCTTCTGCTTAAACAAGGACCTCAAGAAGTGC
 CTGAGGACTCATGCCCTTGTGGGACACAGGAGGTGCCCCAGCTCCAGAGAACCCTACTGTGTGCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205785 protein sequence
Red=Cloning site Green=Tags(s)

MANTTGEPEEVSGALSLPSASAYVKLVLLGLIMCVSLAGNAILSLLVLKERALHKAPYYFLLDLCLADGI
 RSAICFPFVLASVRHGSSWTFSSALSCKIVAFMAVLCFHAAMFLFCISVTRYMAIAHHRFYAKRMTLWTC
 AAVICMAWTL SVAMAFPPVFDVGTYYKFIREDQCIFEHRYFKANDTLGFMLMLAVLMAATHAVYKLLLF
 EYRHRKMKPVQMVPAISQNWTFHGPATGQAAANWIAGFGRGMPPTLLGIRQNGHAASRRLGMDEVKGG
 EKQLGRMFYAITLLFLLWSPYIVACYWRVFKACAVPHRYLATAVWMSFAQAAVNPVCFLLNKDLKCC
 LRTHAPCWGTGGAPAPREPYCVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027543

ORF Size: 1122 bp

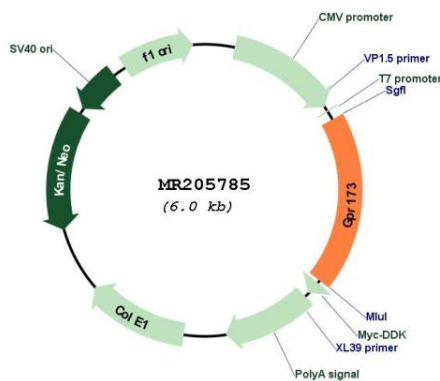
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_027543.5](#)
- RefSeq Size:** 3232 bp
- RefSeq ORF:** 1122 bp
- Locus ID:** 70771
- UniProt ID:** [Q6PI62](#)
- Cytogenetics:** X F3
- MW:** 41.5 kDa
- Gene Summary:** Orphan receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205785