

Product datasheet for MR205364

Gpr1 (NM_146250) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr1 (NM_146250) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr1
Synonyms:	MGC41704
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205364 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTCTCAAAGGAAATGTTATTTGAGGAGTTGGACAACATTCCTATGCCTTAGATTACTCCC
AGGAGTCTGACCCGAGGAGAAGGTGTACCTGGGACTCGTTCACCTGGATCTCCCTGTTCTATATGCCCT
AGCATTGTCTGGGCATCCCAGGAAATGCCATCGTCATTTGGCTCATGGGATCAAGTGAAGAAGACA
GTCACCACTCTTTGGTTCCTCAATCTGGCCATCGCAGACTTCATCTTTGTTCTCTTCTGCCCTGTACA
TTTCCTACGTGGCCTTGAGTTTCCACTGGCCCTTTGGCCTGTGGCTCTGCAAGGTTAATTCCTTCATTGC
CCAACGAACATGTTTTCCAGTGTTCCTTCTTGACAGTGATCAGCCTGGACCGCTACATCCACTTGCTC
CATCCTGGCTTGCTCATCGGCACCGGACTCTAAAGAGCTCACTGGTGTGTTATACTTGCTGGCTGT
TGGCTTCTGCTTGGAGGTCTACCTTATACTCCGGGACACCATGGAGGTCAACAACCACATCATTTG
TTATAATAATTTCCAGGAGCATGAACTCACCTTGATGAGACCATGTTCTGACCTGGGTGAAGTTCCTC
TTTGGCTACCTCTCCCTTTGCTAACCATGAGCTCCTGCTACTTGTGCCTCATCTCAAGATGAAAAAGC
GGAACATCCTGATATCTAGAAAGCATCTCTGGATGATCCTGTCTGTGGTCAATGCCTTCTGGTTGCTG
GACCCCTTATCACCTGTTTAGCATCTGGGAGCTCAGCATTATCACAACAGCTCTTCCAGAATGTGCTG
CAGGGTGAATCCCCCTCAACTGGCTTAGCCTTCCCTCAATAGCTGCTTGAATCCCCTTTACGTCC
TAATAAGCAAGACGTTCCAAGCCGCTTCAGGGCCTCTGTTGCTGAGGTAATAAGCGTTTCGCTGTGGGA
AGCCAGCTGCTCTGGTACAGTCAGTGAACAACCTCAGGAGTGCTGAAACCAAGAGCCTGTCTCTCTAGAA
ACTGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



[View online »](#)

Protein Sequence: >MR205364 protein sequence
Red=Cloning site Green=Tags(s)

MEVSKEMLFEELDNYSYALDYYSQESDPPEEKVYLGLVHWISLFLYALAFVLGIPGNAIIVIWLMGFKWKKT
 VTTLWFLNLAIADFIFVLFLPLYSISVALSFHWPFGLWLCVNSFIAQLNMFSSVFFLTVISLDRYIHL
 HPGLSHRHRTLKSSLVIVLWLLASLLGGPTLYFRDMEVNNHIIICYNNFQEHETLMRHHVLTWVKFL
 FGYLFPLLTMSSCYLCLIFKMKKRNIISRKHLWMILSVVIAFLVCWTPYHLFSIWELSIHHNSSFQNVL
 QGGIPLSTGLAFLNSCLNPILYVLI SKTFQARFRASVAEVLKRSLWEASCSGTVSEQLRSAETKSLSLLE
 TAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_146250

ORF Size: 1062 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_146250.2](#)

RefSeq Size: 1798 bp

RefSeq ORF: 1062 bp

Locus ID: 241070

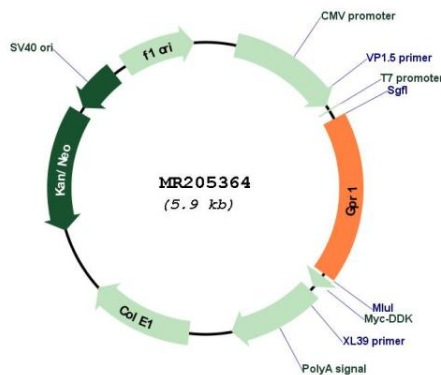
UniProt ID: [Q8K087](#)

Cytogenetics: 1 C2

MW: 41 kDa

Gene Summary: Receptor for the inflammation-associated leukocyte chemoattractant chemerin/RARRES2 suggesting a role for this receptor in the regulation of inflammation (By similarity). Receptor for TFA1, mediates its effects on neuronal stem-cell proliferation and differentiation via the activation of ROCK/ERK and ROCK/STAT3 signaling pathway (PubMed:29799787). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205364