

Product datasheet for MR205027

Gpr65 (NM_008152) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr65 (NM_008152) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr65
Synonyms:	Dig1; Gpcr25; TDAG8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205027 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGATGAACAGCATGTGCATTGAAGAGCAGCACACCCTCGAGCACTATTTGTTCCCGGTGGTCTACA
TAATTGTGTTTATAGTCAGCGTCCCAGCCAACATCGGATCTTTATGCGTATCCTTTCTGCAAGCGAAGAA
GGAAAAATGAGCTAGGAATTTACCTCTTCAGTCTGTCCCTGTCAGACCTGCTGTATGCGCTGACTCTGCC
CTCTGGATCAATTACACTTGAATAAAGACAACCTGGACTTCTCTCCACTTTGTCAAAGGAAGCGTTT
TCTTCACCTACATGAACTTTTATAGCAGCACAGCGTTCCTCACTTGCATTGCCCTGGACCGCTATTTAGC
AGTCGTCTACCCTCTGAAGTTTTCTTCCCTAAGAACGAGAAGATTCGCGTTTATTACCAGCTCTCTATC
TGGATATTAGAGTCCTTCTTAACTCTATGCTTCTGTGAAAGATGAAACGAGTGTGAATATTGTGACT
CGGACAAATCTAATTTCACTCTCTGCTATGACAAATACCCTCTGGAGAAATGGCAGATAAACCTCAACCT
GTTTCGGACGTGCATGGGCTACGCAATACCCTTGATCACCATCATGATCTGCAACCATAAAGTCTACCGA
GCTGTGCGGCACAACCAAGCCACGAAAACAGCGAGAAGAGAAGGATCATAAAGTTGCTTAGCATCA
CGTTGACTTTCGTCCTATGCTTTACCCCTTCCACGTGATGGTGTCTATCCGCTGCGTTTTAGAGCGCA
CATGAACGTCAATGACAAGTCTGGATGGCAGACGTTTACGGTGTACAGAGTCACAGTGGCCCTGACGAGT
CTAAACTGTGTTGCCGATCCCATTCTGTACTGCTTTGTGACTGAGACGGGGAGAGCTGATATGTGGAACA
TATTTAAATTTGTACTAGGAAAACAATAGACACCAAGGACAAAAAGGGACATACTTTCTGTGTCCAC
AAGAGATGCTGTAGAATTAGAGATTATAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205027 protein sequence
Red=Cloning site Green=Tags(s)

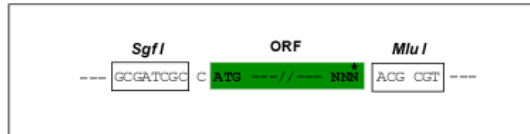
MAMNSMCIEEQHLEHYLFPVVYIIVFIVSVPANIGSLCVSFLQAKKENELGIYLFSLSLDLLYALTLP
 LWINYTWNKDNWTFSPTLCKGSVFVFTYMNFYSSAFLTCIALDRYLAVVYPLKFSFLRTRRF AFITLSI
 WILESFFNSMLLWKDETSVEYCDSDKSNFTLCYDKYPLEKWQINLNLFRTCMGYAIP LITIMICNHKVYR
 AVRHNQATENSEKRRIKLLASITLTFVLCFTPFHVMVLIRCVLERDMNVNDKSGWQTFVYRVTVALT
 LNCVADPILYCFVTETGRADMWNILKLCRKHNRHQGQKRDILSVSTRDAVELEIID

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_008152

ORF Size: 1014 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_008152.1](#), [NM_008152.2](#), [NM_008152.3](#), [NP_032178.1](#)

RefSeq Size: 2153 bp

RefSeq ORF: 1014 bp

Locus ID: 14744

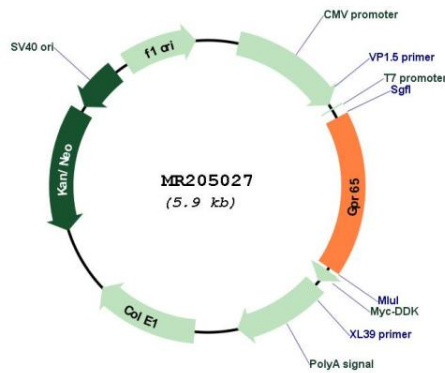
UniProt ID: [Q61038](#)

Cytogenetics: 12 E

MW: 39.4 kDa

Gene Summary: Receptor for the glycosphingolipid psychosine (PSY) and several related glycosphingolipids (By similarity). Plays a role in immune response by maintaining lysosome function and supporting phagocytosis-mediated intracellular bacteria clearance (PubMed:27287411). May have a role in activation-induced cell death or differentiation of T-cells (PubMed:8599842). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205027