

Product datasheet for **RG204736**

GPR183 (NM_004951) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GPR183 (NM_004951) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GPR183
Synonyms: EBI2; hEBI2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204736 representing NM_004951
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATATACAAATGGCAAACAATTTTACTCCGCCCTCTGCAACTCCTCAGGAAATGACTGTGACCTCT
 ATGCACATCACAGCACGGCCAGGATAGTAATGCCTCTGCATTACAGCCTCGTCTTCATCATTGGGCTCGT
 GGGAACTTACTAGCCTTGGTCGTCATTGTTCAAACAGGAAAAAATCAACTCTACCACCCTCTATTCA
 ACAAATTTGGTGATTTCTGATATACTTTTTACCACCGCTTGCCTACACGAATAGCCTACTATGCAATGG
 GCTTTGACTGGAGAATCGGAGATGCCTTGTGTAGGATAACTGCGCTAGTGTTCATCAACACATATGC
 AGGTGTGAACTTTATGACCTGCCTGAGTATTGACCGCTTCATTGCCTGTGGTGCACCCTCTACGCTACAAC
 AAGATAAAAAGGATTGAACATGCAAAAGCGTGTGCATATTTGTCTGGATTCTAGTATTTGCTCAGACAC
 TCCCACTCCTCATCAACCCTATGTCAAAGCAGGAGGCTGAAAGGATTACATGCATGGAGTATCCAACTT
 TGAAGAACTAAATCTCTTCCCTGGATTCTGCTGGGGCATGTTTCATAGGATATGTACTTCCACTTATA
 ATCATTCTCATCTGCTATTCTCAGATCTGCTGCAAACTCTTCAGAACTGCCAAACAAAACCCACTCACTG
 AGAAATCTGGTGTAAACAAAAGGCTCTCAACACAATTATTCTTATTATTGTTGTGTTTGTCTCTGTTT
 CACACCTTACCATGTTGCAATTATTCAACATATGATTAAGAAGCTTCGTTTCTCTAATTTCTGGAATGT
 AGCCAAAGACATTCGTTCCAGATTTCTCTGCACCTTACAGTATGCCTGATGAACCTCAATTGCTGCATGG
 ACCTTTTATCTACTTCTTGCATGTAAGGGTATAAGAGAAAGTTATGAGGATGCTGAAACGGCAAGT
 CAGTGTATCGATTTCTAGTGCTGTGAAGTCAGCCCTGAAGAAAATTCACGTGAAATGACAGAAACGCAG
 ATGATGATACATTCCAAGCTTCAAATGAAAAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204736 representing NM_004951
 Red=Cloning site Green=Tags(s)

MDIQMANNFTPPSATPQGNDCLYAHHSTARIVMPLHYSLVFIIIGLVGNLLALVVIVQNRKKINSTTLYS
 TNLVISDILFTTALPTRIAYYAMGFDRIGDALCRITALVFYINTYAGVNFMTCLSIDRFIAVVHPLRYN
 KIKRIEHAKGVCIFVWILVFAQTLPLLINPMSKQEAERITCMEYPNFEETKSLPWILLGACFIGYVPLI
 IILICYSQICCKLFRITAKQNPLETEKSGVKKALNTIILIIIVFVLCFTPHYHVAIIQHMIKKLRFNLFEC
 SQRHSFQISLHFTVCLMNFNCCMDPFIYFFACKGYKRVMLKRQVSVSISAVKSAPEENSREMTETQ
 MMIHKSNSNGK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004951

ORF Size: 1083 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_004951.5](#)

RefSeq Size: 1746 bp

RefSeq ORF: 1086 bp

Locus ID: 1880

UniProt ID: [P32249](#)

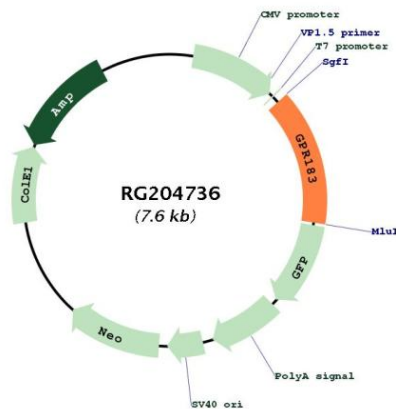
Cytogenetics: 13q32.3

Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

Gene Summary: This gene was identified by the up-regulation of its expression upon Epstein-Barr virus infection of primary B lymphocytes. This gene is predicted to encode a G protein-coupled receptor that is most closely related to the thrombin receptor. Expression of this gene was detected in B-lymphocyte cell lines and lymphoid tissues but not in T-lymphocyte cell lines or peripheral blood T lymphocytes. The function of this gene is unknown. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204736