

Product datasheet for RC204736

GPR183 (NM_004951) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR183 (NM_004951) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR183
Synonyms:	EBI2; hEBI2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204736 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATATACAAATGGCAAACAATTTTACTCCGCCCTCTGCAACTCCTCAGGAAATGACTGTGACCTCT
ATGCACATCACAGCACGGCCAGGATAGTAATGCCTCTGCATTACAGCCTCGTCTTCATCATTGGGCTCGT
GGGAACTTACTAGCCTTGGTCGTCATTGTTCAAACAGGAAAAAATCAACTCTACCACCCTCTATTCA
ACAAATTTGGTGATTTCTGATATACTTTTTACCACCGCTTGCCTACACGAATAGCCTACTATGCAATGG
GCTTTGACTGGAGAATCGGAGATGCCTTGTGTAGGATAACTGCGCTAGTGTTCATCAACACATATGC
AGGTGTGAACTTTATGACCTGCCTGAGTATTGACCGCTTCATTGCTGTGGTGCACCCTCTACGCTACAAC
AAGATAAAAAGGATTGAACATGCAAAAGCGTGTGCATATTTGTCTGGATTCTAGTATTTGCTCAGACAC
TCCCACTCCTCATCAACCCTATGTCAAAGCAGGAGGCTGAAAGGATTACATGCATGGAGTATCCAACTT
TGAAGAACTAAATCTCTTCCCTGGATTCTGCTGGGGCATGTTTCATAGGATATGTAATCCACTTATA
ATCATTCTCATCTGCTATTCTCAGATCTGCTGCAAACTCTTCAGAACTGCCAAACAAAACCCACTCACTG
AGAAATCTGGTGTAAACAAAAGGCTCTCAACACAATTATTCTTATTATTGTTGTGTTTGTCTCTGTTT
CACACCTTACCATGTTGCAATTATTCAACATATGATTAAGAAGCTTCGTTTCTCTAATTTCTGGAATGT
AGCCAAAGACATTCGTTCCAGATTTCTCTGCACCTTACAGTATGCCTGATGAACCTCAATTGCTGCATGG
ACCTTTTATCTACTTCTTTCATGATAAGGGTATAAGAGAAAGTTATGAGGATGCTGAAACGGCAAGT
CAGTGTATCGATTTCTAGTGCTGTGAAGTCAGCCCTGAAGAAAATTCACGTGAAATGACAGAAACGCAG
ATGATGATACATTCCAAGTCTTCAAATGAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC204736 protein sequence
Red=Cloning site Green=Tags(s)

MDIQMANNFTPPSATPQGNDCDL YAHHSTARIVMPLHYSLVFIIGLVGNLLALVVIVQNRKKINSTTLYS
 TNLVISDILFTTALPTRIAYYAMGFDWRIGDALCRITALVFYINTYAGVNFMTCLSIDRFIAVVHPLRYN
 KIKRIEHAKGVCIFVWILVFAQTLPLLINPMSKQEAERITCMEYPNFEETKSLPWILLGACFIGYVLP
 IILICYSQICCKLFRYAKQNPLETEKSGVKKALNTIILIIIVVFLCFTPYHVAVIIQHMIKKLRFSNFLEC
 SQRHSFQISLHFTVCLMNFNCCMDPFIYFFACKGYKRVKVMRMLKRQVSVSISAVKSAPEENSREMTETQ
 MMIHSKSSNGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6178_h04.zip

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: 1801 bp

RefSeq ORF: 1086 bp

Locus ID: 1880

UniProt ID: [P32249](#)

Cytogenetics: 13q32.3

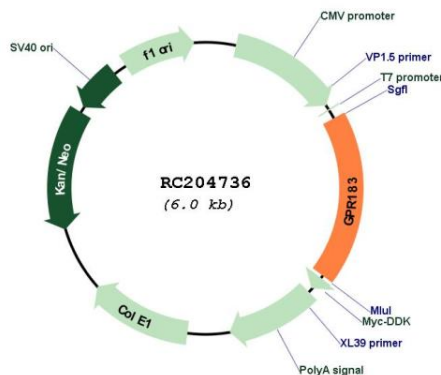
Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

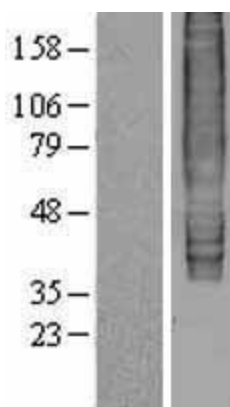
MW: 41.2 kDa

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 RC204736



Western blot validation of overexpression lysate (Cat# [LY401538]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204736 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).