

Product datasheet for RC210145

GPR15 (NM_005290) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR15 (NM_005290) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR15
Synonyms:	BOB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210145 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCAGAAGAACTTCAGTTTATTTGGATTACTATGCTACGAGCCAACTCTGACATCAGGG
AGACCCACTCCCATGTTCCCTACACCTCTGTCTTCCCTCCAGTCTTTACACAGCTGTGTTCCCTGACTGG
AGTGTGGGGAACCTTGTCTCATGGGAGCGTTGCATTTCAAACCCGGCAGCCGAAGACTGATCGACATC
TTTATCATCAATCTGGCTGCCTCTGACTTCATTTTTCTGTGCATTGCCTCTCTGGGTGGATAAAGAAG
CATCTCTAGGACTGTGGAGGACGGGCTCCTTCCGTGCAAAGGGAGCTCCTACATGATCTCCGTC AATAT
GCACTGCAGTGTCTCCTGCTCACTTGCATGAGTGTGACCGCTACCTGGCCATTGTGTGCCAGTCGTA
TCCAGGAAATTCAGAAGGACAGACTGTGCATATGTAGTCTGTGCCAGCATCTGGTTTATCTCCTGCCTGC
TGGGGTTGCCTACTCTTCTGTCCAGGGAGCTCACGCTGATTGATGATAAGCCACTGTGCAGAGAAAA
GGCAACTCCAATTA AACTCATATGGTCCCTGGTGGCCTTAATTTTACCTTTTTTGTCCCTTTGTTGAGC
ATTGTGACCTGCTACTGTTGCATTGCAAGGAAGCTGTGTGCCATTACCAGCAATCAGGAAAGCACAAACA
AAAAGCTGAAGAAATCTATAAAGATCATCTTTATTGTCTGCGGCAGCCTTTCTGTCTCCTGGCTGCCCTT
CAATACTTTCAAGTTCCTGGCCATTGTCTCTGGGTTGCGGCAAGAACAATTTACCCTCAGCTATTCTT
CAGCTTGGTATGGAGGTGAGTGGACCCTTGGCATTGCCAACAGCTGTGTCAACCCTTTCACTTACTATA
TCTTCGACAGCTACATCCGCGGGCCATTGTCCACTGCTTGTGCCCTTGCCCTGAAAAACTATGACTTTGG
GAGTAGCACTGAGACATCAGATAGTCACCTCACTAAGGCTCTCTCCACCTTCATTATGCAGAAGATTTT
GCCAGGAGGAGGAAGAGGTCTGTGCTCACTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC210145 protein sequence
 Red=Cloning site Green=Tags(s)

MDPEETSYYLDYYYATSPNSDIRETHSHVPYTSVFLPVFYTAVFLTGVLGNLVLMGALHFKPGSRRLIDI
 FIINLAASDFIFLVTLPLWVDKEASLGLWRTGSFLCKGSSYMSVNMHCSVLLLTCMSVDRYLAIWVPV
 SRKFRRTDCAYVVCASIWFISCLLGLPTLLSRELTLIDDKPYCAEKKATPIKLIWSLVALIFTFVPLLS
 IVTCYCCIARKLCAHYQQSGKHNNKLLKSIKIIIFIVVAAFLVSWLPFNFTKFLAIVSGLRQEHYLP
 SAILQLGMEVSGPLAFANSCVNPFIYYIFDSYIRRAIVHCLCPCLKNYDFGSSSTETSDSHLTKALSTFIHAEDF
 ARRRKRVSLSL

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_005290

ORF Size: 1081 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_005290.4](#)

RefSeq Size: 1252 bp

RefSeq ORF: 1083 bp

Locus ID: 2838

UniProt ID: [P49685](#)

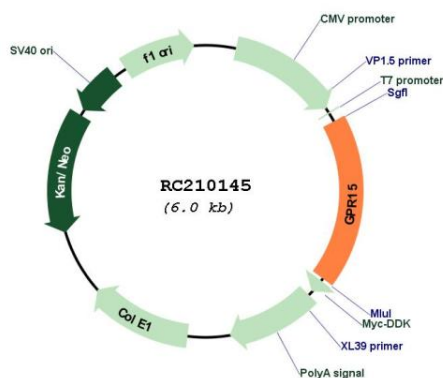
Cytogenetics: 3q11.2

Protein Families: Druggable Genome, GPCR, Transmembrane

MW: 40.8 kDa

Gene Summary: This gene encodes a G protein-coupled receptor that acts as a chemokine receptor for human immunodeficiency virus type 1 and 2. The encoded protein localizes to the cell membrane. [provided by RefSeq, Nov 2012]

Product images:



Circular map for RC210145