

Specifications:

Gene:	hGPR15
Accession:	NP_005281
Insert size:	1096bp
Package size:	10µg at 0.2µg/µL

hGPR15 cDNA Plasmid

GPR15 G protein-coupled receptor 15 [*Homo sapiens*]

Also known as: BOB

Summary:

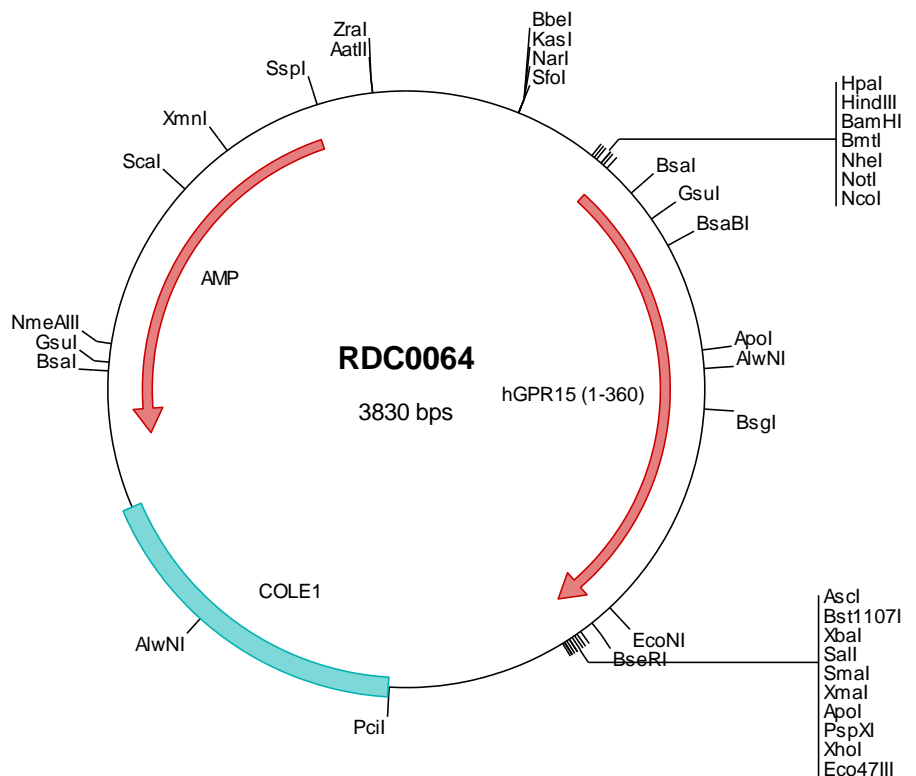
GPR15 is a seven transmembrane G protein coupled receptor that is expressed in CD4+ T-cells and alveolar macrophages. GPR15 functions as a cellular co-receptor for some isolates of HIV-1, HIV-2, and SIV through interactions with several viral envelope proteins. It shares sequence identity with the angiotensin II receptors type 1 and type 2, the interleukin 8 b receptor, and angiotensin receptor-like 1.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0064 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tetggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcccggc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atggaccag aagaaacttc agtttatttg gattattact atgctaogag
501 cccaaactct gacatcaggg agaccactc ccattgttct tacacctctg tctctctcc agtcttttac acagctgtgt tctgactgg agtgcgggg
601 aacctgtgtc tcattgggagc gttgcatttc aaaccggca gccgaagact gatogacatc ttatcatca atctggctgc ctctgacttc atttttctg
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2301 tatccggtaa ctatcgtctt gagtccaacc cggtaagaca cgacttatcg ccactggcag cagccactgg taacaggatt agcagagcga ggtatgtagg
2401 cgggtctaca gatttcttga agtggggccc taactacggc tacactagaa ggacagtatt tggatctctg gctctgctga agccagtac cttcgaaaaa
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> RDC0064 Translated Insert Sequence

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101 tgsflckgss ymisvnmhcs vllltcmsvd rylaiwvvpv srkfrtrdca yvvcasiwfi scllglptll sreltliddk pycaekkatp ikliwslval
201 iftffvplls ivtscyciar klcahyqsg khnklkksi kiifivvaaf lvswlpfntf kflaivsglr qehylpsail qlgmevsgpl afanscvnfp
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