

## Specifications:

Gene:	hGPR31
Accession:	EAW47505
Insert size:	973bp
Concentration:	10µg at 0.2µg/µL

## hGPR31 cDNA Plasmid

**GPR31 G protein-coupled receptor 31 [ *Homo sapiens* (human) ]**

**Also known as:** HETER; HETER1; 12-HETER

### Summary:

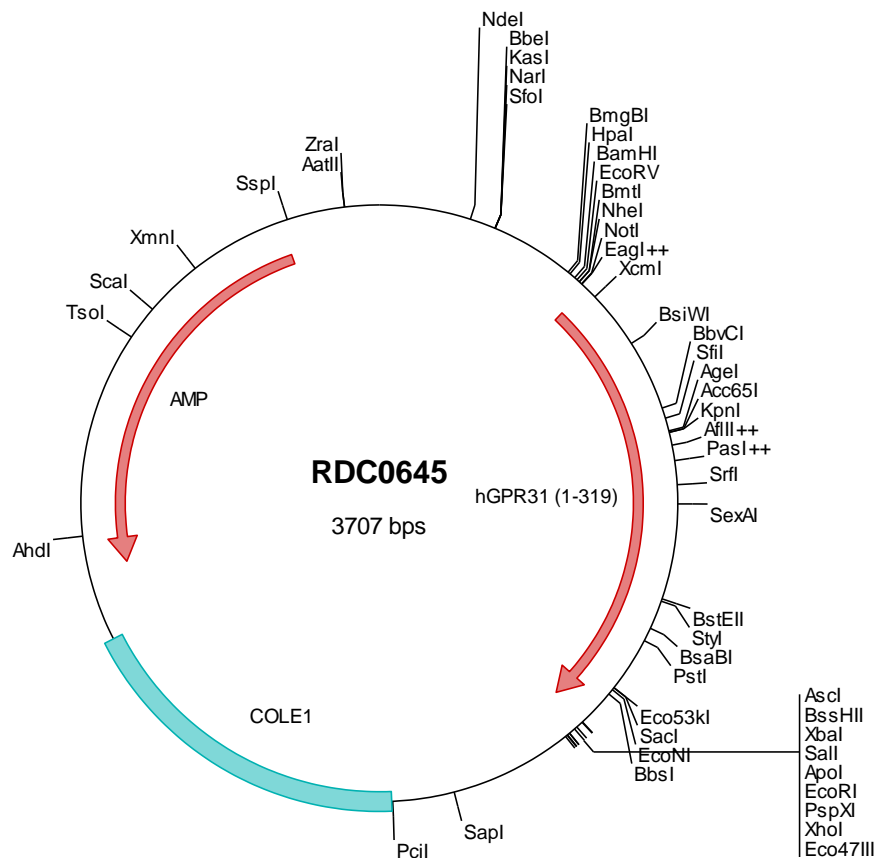
GPR31, is a G protein-coupled receptor that displays high affinity for the human 12-lipoxygenase-derived product 12-(S)-hydroxy-5,8,10,14-eicosatetraenoic acid (HETE). GPR31 represents the first identified high affinity receptor for the 12-(S)-HETE hydroxyl fatty acids. Ligand-binding leads to the activation of ERK1/2 (MAPK3/MAPK1), MEK, and NF-kappa-B.

## 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.





### > RDC0645 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggccc tcttcgctat
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401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggccgccacc atgccattcc caaactgctc agccccagc actgtgtgtg ccacagctgt
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3701 tttcgtc

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### > RDC0645 Translated Insert Sequence

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201 iralqkrlre pekqklqra qalvtlvvvl falcfplcfl arvlmhifqn lgscralcav ahtsdvtgsl tylhsvlnpv vycfssptftr ssyrvfhltl
301 rgkgaaepp dfnprdsys

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