

Specifications:

Gene:	hGPCRC6A
Accession:	AAM22230
Insert size:	2793bp
Concentration:	10µg at 0.2µg/µL

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.

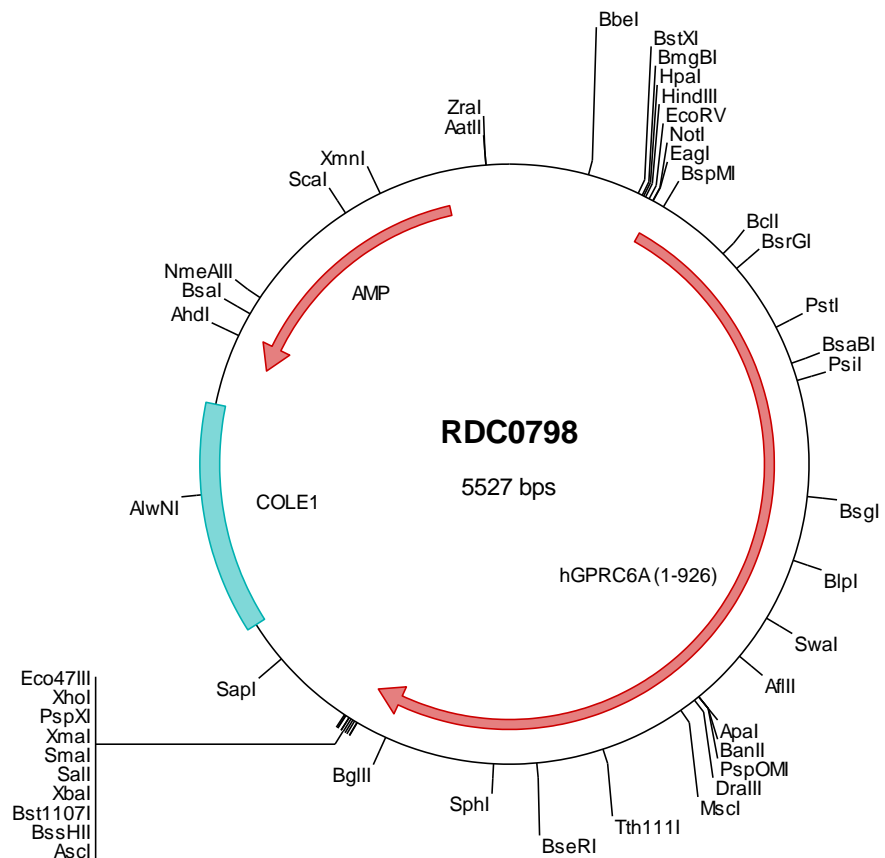
hGPCRC6A cDNA Plasmid

GPCRC6A G protein-coupled receptor, family C, group 6, member A [*Homo sapiens* (human)]

Also known as: GPCR;
bA86F4.3

Summary:

GPCRC6A is a nutrient sensing GPCR activated by a variety of ligands, including amino acids, calcium, zinc, osteocalcin (OC), and testosterone. It has a long N-terminal domain and belongs to family C of the G protein-coupled receptor (GPCR) superfamily. Several GPCRC6A ligands including calcium, OC, and arginine, exhibit a dose-dependent stimulation of ERK activity in prostate cancer cells.





> RDC0798 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcattt caggctgcgc aactgttggg aagggcgatc ggtcggggcc tcttcgctat
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> RDC0798 Translated Insert Sequence

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201 hliqksgwnw igiittdddy grlalntfii qaeannvcia fkevlpafls dntievrinr tlkkiileaq vnvivvflrq fhvfdlnka iemnkkmwi
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901 qafahicren atsvsktlpr krmssi