

Specifications:

Gene:	<i>h</i> GFRA1
Accession:	NP_005255
Insert size:	1411bp
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.

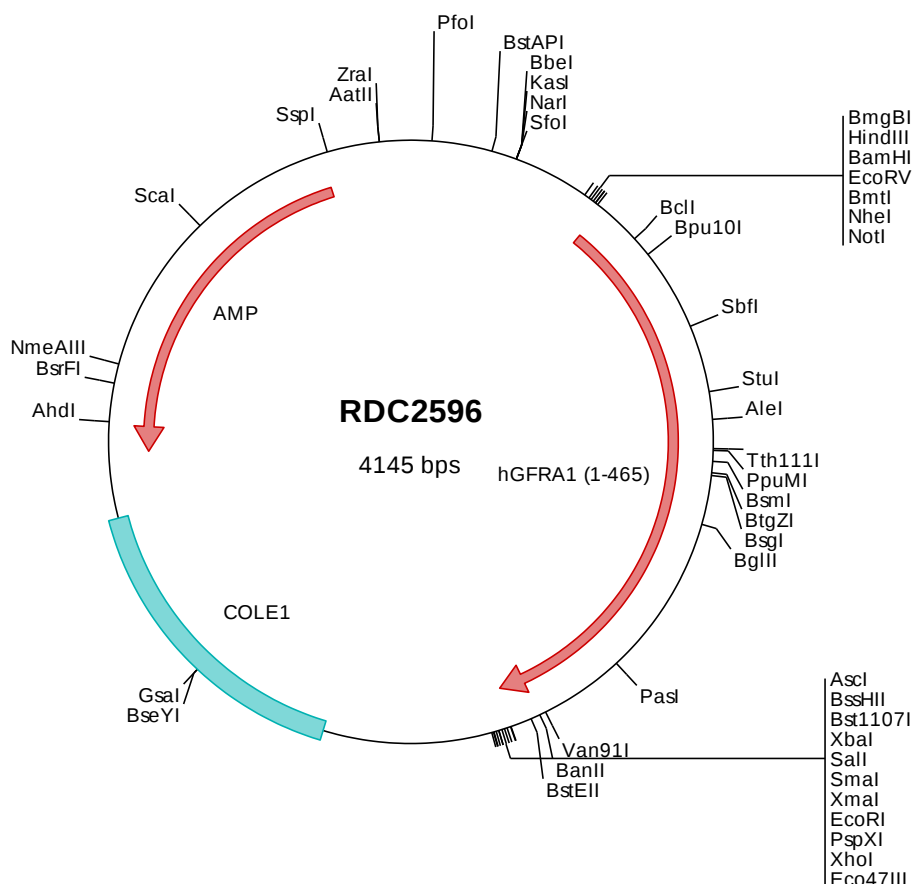
***h*GFRα-1/GDNF Rα-1 cDNA Plasmid**

**GFRA1 GDNF family receptor
alpha 1 [*Homo sapiens*
(human)]**

Also known as: GDNFR; RET1L;
RET1L1; TRNR1; GDNFRA; GFR-
ALPHA-1

Summary:

GFRA1 is a transmembrane protein that functions as the receptor for glial cell line derived neurotrophic factor (GDNF). It undergoes proteolytic processing to generate a glycosylphosphatidylinositol-anchored cell surface coreceptor that forms a complex with the Ret tyrosine kinase in GDNF signaling pathway. Mice lacking GFRA1 exhibit deficits in the kidneys, the enteric nervous system, and spinal motor and sensory neurons similar mice deficient in GDNF or Ret.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2596 Plasmid DNA Sequence

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1  tcgcgcgcttt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC2596 Translated Insert Sequence

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