

Specifications:

Gene:	<i>h</i> CHGB
Accession:	NP_001810.2
Insert size:	2047bp
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.

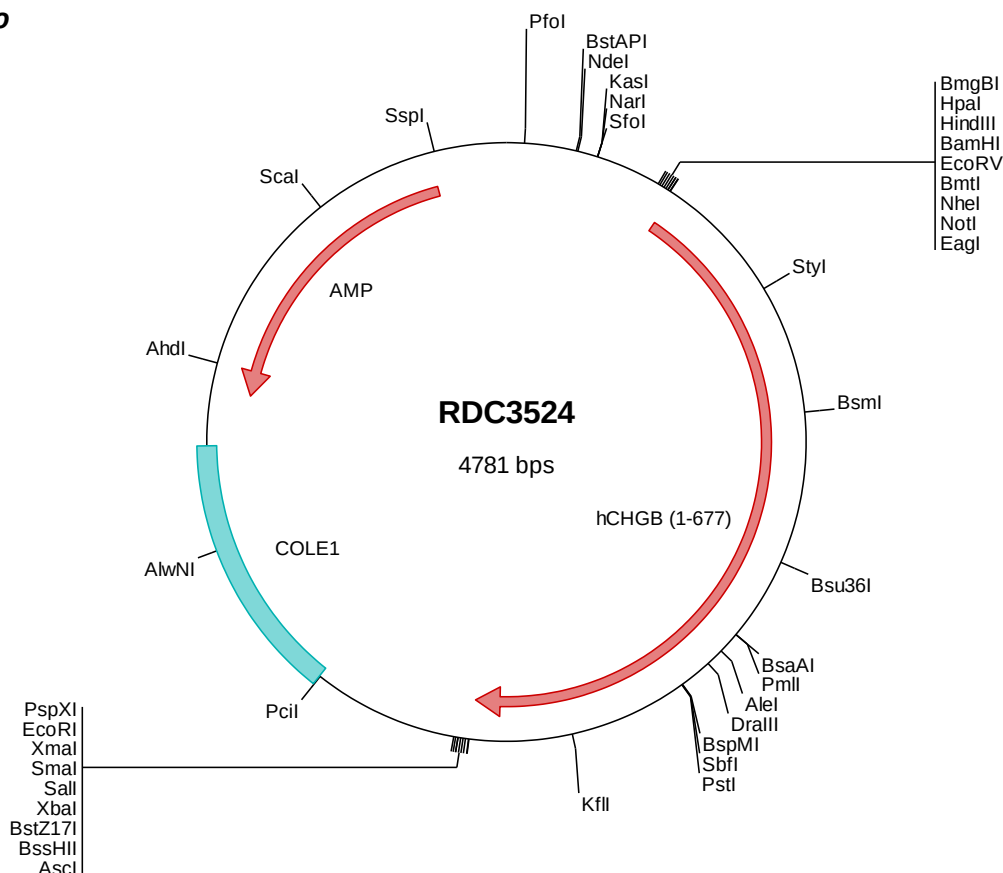
***h*Chromogranin B cDNA Plasmid**

CHGB chromogranin B [*Homo sapiens* (human)]

Also known as: SCG1

Summary:

Chromogranin B is a neuroendocrine secretory granule protein which is cleaved into three fragments: PE-11 (aa 575-585), GAWK peptide (aa 440-513) and CCB peptide (617-673). Human CHGB was originally isolated from human pheochromocytoma tissue, and is expressed in normal and malignant neuroendocrine tissues. CHGB peptides play a role in hormonal regulation in pancreatic islets, hypothalamus and pituitary gland. CHGB peptides (aa 314-332 and 350-365) have been identified in several endocrine tumors including, gastrinoma, thyroid carcinoma, insulinoma, pancreatic endocrine tumor and pituitary adenomas.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3524 Plasmid DNA Sequence

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> RDC3524 Translated Insert Sequence

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