

Specifications:

Gene:	hGGCX
Accession:	NP_000812.2
Insert size:	2290bp
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.

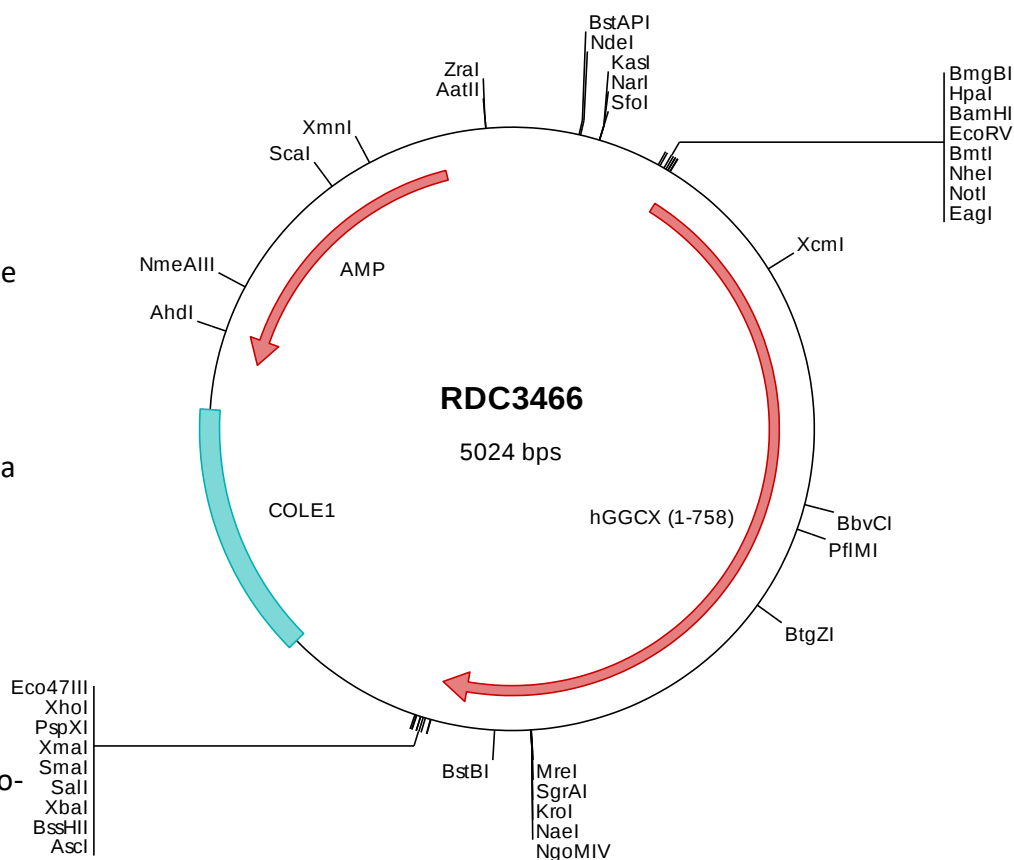
hGGCX cDNA Plasmid

**GGCX gamma-glutamyl
carboxylase [*Homo sapiens*
(human)]**

Also known as: VKCFD1

Summary:

GGCX is an integral membrane protein of the rough endoplasmic reticulum that carboxylates glutamate residues of vitamin K-dependent proteins to gamma carboxyl glutamate, a modification that is required for their activity. The vitamin K-dependent protein substrates have a propeptide that binds the enzyme, with carbon dioxide, dioxide, and reduced vitamin K acting as co-substrates. Vitamin K-dependent proteins affect several physiologic processes including blood coagulation, prevention of vascular calcification, and inflammation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3466 Plasmid DNA Sequence

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> RDC3466 Translated Insert Sequence

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