

Specifications:

Gene:	<i>h</i> LFNG
Accession:	NP_001035257
Insert size:	1152bp
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.

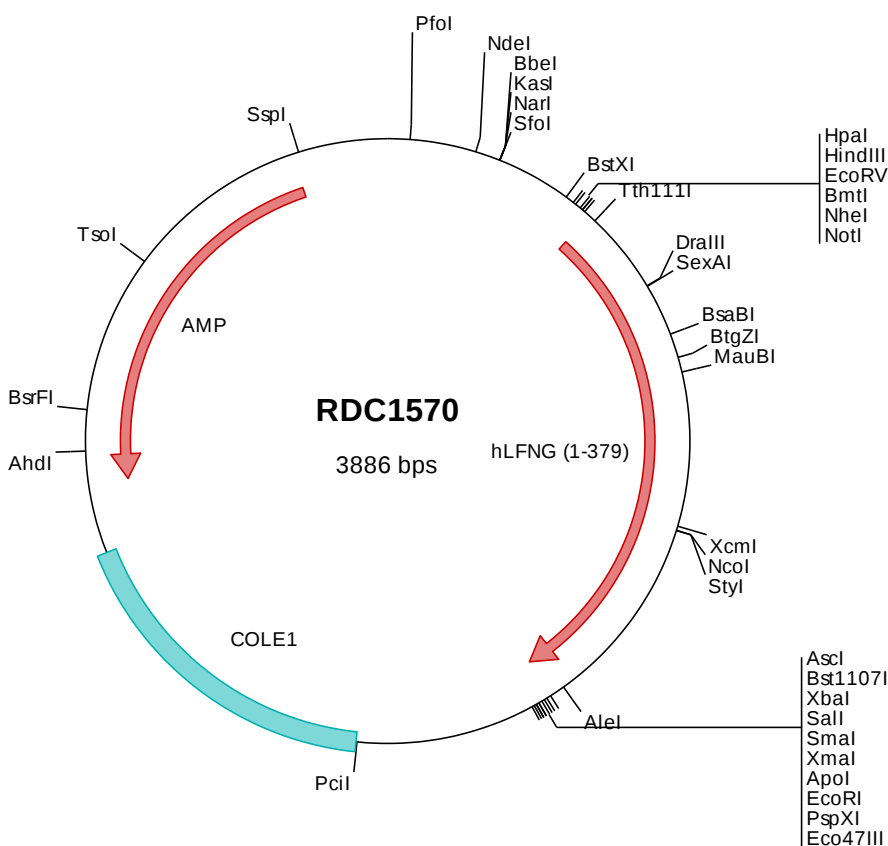
*h*Lunatic Fringe cDNA Plasmid

LFNG LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
[*Homo sapiens* (human)]

Also known as: SCDO3

Summary:

LFNG is a member of the fringe gene family which also includes radical and manic fringe genes. They all encode evolutionarily conserved glycosyltransferases that act in the Notch signaling pathway to define boundaries during embryonic development. LFNG is predicted to be a single-pass type II Golgi membrane protein but it may also be secreted and proteolytically processed like the related proteins in mouse and *Drosophila*. Mutations in LFNG have been associated with autosomal recessive spondylocostal dysostosis 3. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1570 Plasmid DNA Sequence

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> RDC1570 Translated Insert Sequence

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