

Specifications:

Gene:	<i>h</i> LGMN
Accession:	NP_005597.3
Insert size:	1315bp
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.

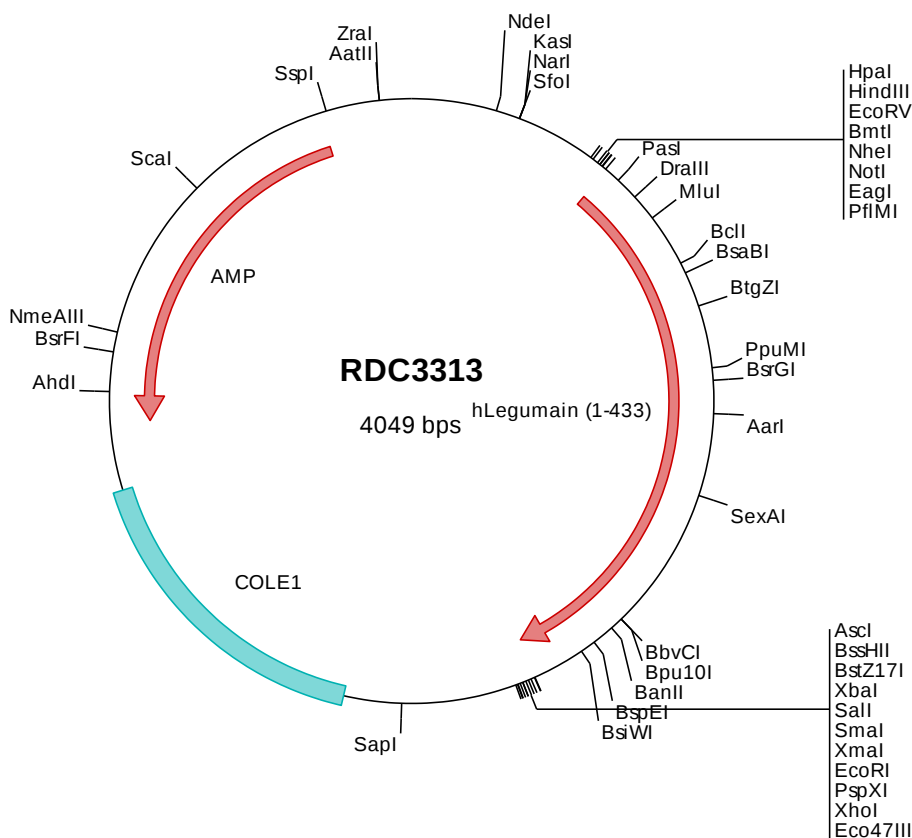
*h*Legumain cDNA Plasmid

LGMN legumain [*Homo sapiens* (human)]

Also known as: AEP; LGMN1; PRSC1

Summary:

LGMN is a cysteine protease that has a strict specificity for hydrolysis of asparaginyl bonds. It may be involved in the processing of bacterial peptides and endogenous proteins for MHC class II presentation in the lysosomal/endosomal systems. Enzyme activation is triggered by acidic pH and appears to be autocatalytic. LGMN expression occurs after monocytes differentiate into dendritic cells. A fully mature, active enzyme is produced following lipopolysaccharide expression in mature dendritic cells. Overexpression of LGMN may be associated with the majority of solid tumor types.



> RDC3313 Plasmid DNA Sequence

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> RDC3313 Translated Insert Sequence

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