

**Specifications:**

Gene:	hLGALS3
Accession:	NP_002297.2
Insert size:	766bp
Concentration:	10µg at 0.2µg/µL

## hGalectin-3 cDNA Plasmid

### LGALS3 galectin 3 [ *Homo sapiens* (human) ]

**Also known as:** L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2

**Summary:**

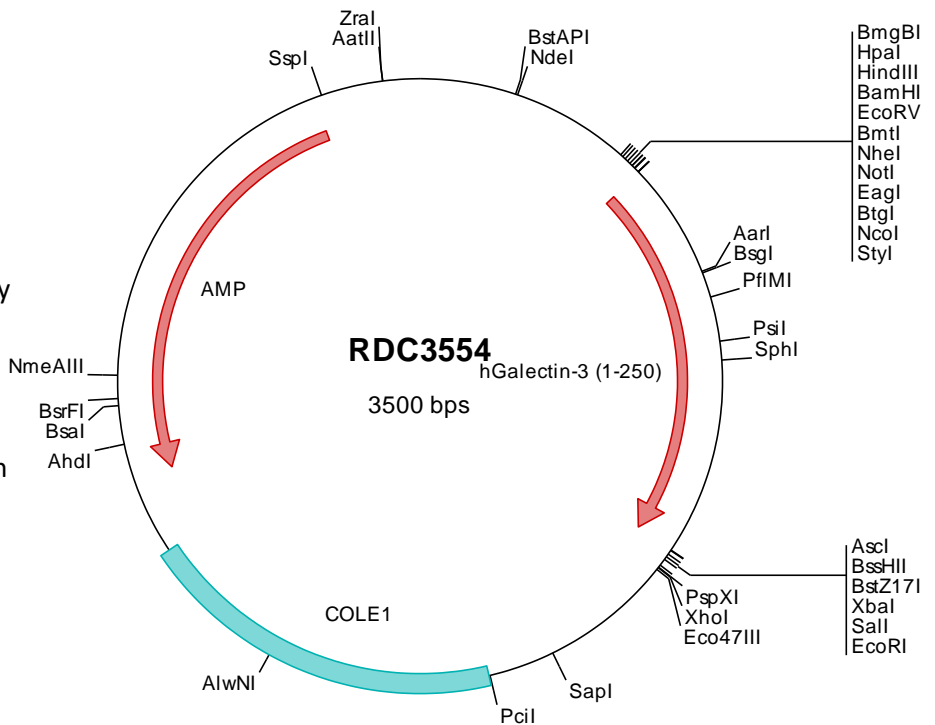
LGALS3 encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. LGALS3 is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. It can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. LGALS3 localizes to the extracellular matrix, the cytoplasm and the nucleus. It plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. LGALS3 exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.

**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.



> RDC3554 Plasmid DNA Sequence

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> RDC3554 Translated Insert Sequence

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