

## Product datasheet for **RC208785L4V**

### Galectin 3 (LGALS3) (NM\_002306) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Galectin 3 (LGALS3) (NM_002306) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Galectin 3
Synonyms:	CBP35; GAL3; GALBP; GALIG; L31; LGALS2; MAC2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002306
ORF Size:	750 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208785).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_002306.1</a> , <a href="#">NP_002297.1</a>
RefSeq Size:	1017 bp
RefSeq ORF:	753 bp
Locus ID:	3958
UniProt ID:	<a href="#">P17931</a>
Cytogenetics:	14q22.3
Domains:	Gal-bind_lectin
Protein Families:	Secreted Protein

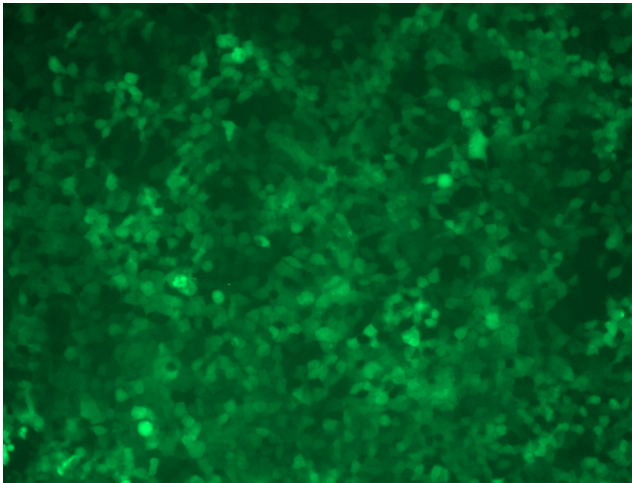


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MW: 26.2 kDa

**Gene Summary:** This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]

**Product images:**



[RC208785L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC208785L4V particle to overexpress human LGALS3-mGFP fusion protein.