

Product datasheet for KN208785LP

OriGene Technologies, Inc.

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Galectin 3 (LGALS3) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: Galectin 3

Locus ID: 3958

Components: KN208785G1, Galectin 3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN208785G2, Galectin 3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN208785LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 001177388, NM 002306, NR 003225, NM 001357678

UniProt ID: P17931

Synonyms: CBP35; GAL3; GALBP; GALIG; L31; LGALS2; MAC2

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

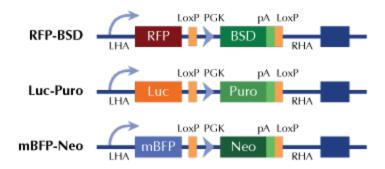
in multiple transcript variants.[provided by RefSeq, Oct 2014]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter