

Product datasheet for **KN309240**

Lgals1 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	Lgals1
Locus ID:	16852
Components:	<p>KN309240G1, Lgals1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGAGGGTCCCCTCACTCACAC</p> <p>KN309240G2, Lgals1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GACAATTGGGGACTTGCTTC</p> <p>KN309240D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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GGTGGGGCCT GTGCTTTGTG GTCCTCTCA GTCCTCCGC AGAAGCCAC AGTGGGAGTC ACAGCGAGAG
CCACACCCTG GCCTGCCAGG CCGCAGCCTC TTCAGAGAGC CTTGCTCTAA TTCTCTGCAG GCATCTATAC
ACACATCCCC CTCCCCACC AGCTGCGCTG GGACCTAGGG GCTTTCTCCC TGCTGGCCCC AGGCCCTATC
CGCCAACCTC TTAGGTTTAA CTCATCCTTA AACTATTTTC CATTGGCTCC CCCAATCTCT GCCACAGCAC
AAATCTTTTT TTAGTGGAAA GAGGGATGGA GAAGAATAAG AGGCGGCGCC AGGACCCTGA GGGAGGGGCT
AGGAGGGGGG GTCTCTCTC TGA CTGGTCA CCTCTGCTCC AAAATTGACT TTATAATCCA TAGACTCCAC
TTCTGGTGGC CCCCATCCTT GTCCTGACAT GCAATTGGCT GAACTCCCGG GGAGGGGCGG GACTCACCGG
GTCTGATCCA GTTAAAAAGG TCGGAGCGGG CCTGGGGCCC GTCTCTCGGG TGGAGTCTTC TGA CTGCTGG
TGGAGCAGGT CTCAGGAATC TCTTCGCTTC AGCTTCAATC TGCCTTGGAC AGGTGTTTTT TCTGGTCTC
AGTGGCTACA TCTGTA AAT GGGGGTGGCT GTC ACTGTTC CCCCTGAAA CCTTAAGCGT CTCTGGCTTA
AGAATGTTCT GGACTTCTG TAGTTCTGGC CGCATACCTG CCTTGCAAAG TCCAGTATTC TGCTGCTTTG
CCGTTTTCTG AGAAGTGGGA GTGGGAAGGG TGTGGCCACC CGGGGAAAAG GGAGGCAGGG GGACATTTTG
GCCAAGGCCA TTCCTGTTC ACTCTTCTC TCCACTTAG AGTCTCCTGA CCCCTCCCC GCTGCAGCTG
TCCCCAGTCA CAGGGCCAGG GCTCAGTTGG TCACCCTCTG CTCCAGAAAA CTAAAAA AAAAAAAAAA
ACCTCCCGG GCCTAAGATA GGCTCCAGGC TGGTCAGTGG AGGCGGGTCA GGGCTGGGCG GAGGAACTG
CATGCATTTG CACAGACAGG CAAGCCCTCA GGTATAGGGT TCAAATGTCA AAGAAACCC TGGCCCAAT
GAACTCCTGT CAACTACCC AGGTAGGTGC ACAGCAGTGC CCTGATATGT ACTGGGCTCT CTAGCGTGTG
AAGTCCACAT
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GE100003, scramble sequence in pCas-Guide vector



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Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

RefSeq: [NM_008495](#)

UniProt ID: [P16045](#)

Synonyms: AA410090; Gal-1; Galbp; galectin-1; L-14.5; L14; Lect14

Summary: Lectin that binds beta-galactoside and a wide array of complex carbohydrates. Plays a role in regulating apoptosis, cell proliferation and cell differentiation. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase. Strong inducer of T-cell apoptosis.[UniProtKB/Swiss-Prot Function]

Product images:

