

Product datasheet for **KN210750**

galectin 9 (LGALS9) Human 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:	galectin 9
Locus ID:	3965
Components:	<p>KN210750G1, galectin 9 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAACTCACTGGACTCAGGT</p> <p>KN210750G2, galectin 9 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTGAGGAAGCAACTCCTGGG</p> <p>KN210750D, 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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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TACAGGCATC  GTGGTGTAC  GCTCGTCGTT  TGGTATGGCT  TCATTCAGCT  CCGGTTCCCA  ACGATC

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GE100003, scramble sequence in pCas-Guide vector

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_001330163](#), [NM_002308](#), [NM_009587](#), [NR_024043](#)

UniProt ID:

[O00182](#)

Synonyms:

HUAT; LGALS9A

Summary:

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The protein encoded by this gene is an S-type lectin. It is overexpressed in Hodgkin's disease tissue and might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:

