

Product datasheet for **KN200456**

LAMP2 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:	LAMP2
Locus ID:	3920
Components:	<p>KN200456G1, LAMP2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCGGACAGACTAATCGGGA</p> <p>KN200456G2, LAMP2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTAGTCCTGGGTGAGTTGTC</p> <p>KN200456D, 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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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TCGTGGTGTG ACGCTCGTCG TTTGGTATGG CTTCATTCAG CTCCGGTTCC CAACGATC

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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_001122606](#), [NM_002294](#), [NM_013995](#)

UniProt ID:

[P13473](#)

Synonyms:

CD107b; LAMP-2; LAMPB; LGP110

Summary:

The protein encoded by this gene is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may play a role in tumor cell metastasis. It may also function in the protection, maintenance, and adhesion of the lysosome. Alternative splicing of this gene results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Jul 2008]

Product images:

