

Product datasheet for KN207649LP

OriGene Technologies, Inc.

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Lass5 (CERS5) 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: Lass5 Locus ID: 91012

Components: KN207649G1, Lass5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207649G2, Lass5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207649LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

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 001281731, NM 001331069, NM 001331070, NM 001331071, NM 001331072,

NM 001331073, NM 147190, NR 104035, NR 138532, NR 138533, NR 138534, NR 138535,

NR 138536

UniProt ID: Q8N5B7
Synonyms: LASS5; Trh4

Summary: This gene encodes a protein that belongs to the TLC (TRAM, LAG1 and CLN8 homology

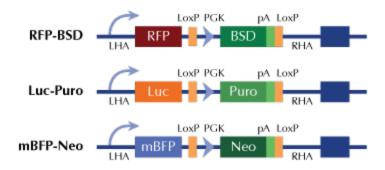
domains) family of proteins. The encoded protein functions in the synthesis of ceramide, a lipid molecule that is involved in a several cellular signaling pathways. Alternate splicing

results in multiple transcript variants. [provided by RefSeq, Aug 2013]



Product images:

Donor Vector Edited Chromosome



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