

Product datasheet for KN208123LP

OriGene Technologies, Inc.

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BAG5 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: BAG5 Locus ID: 9529

Components: KN208123G1, BAG5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN208123G2, BAG5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN208123LPD, 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: <u>NM 001015048</u>, <u>NM 001015049</u>, <u>NM 004873</u>

UniProt ID: Q9UL15
Synonyms: BAG-5

Summary: The protein encoded by this gene is a member of the BAG1-related protein family. BAG1 is an

anti-apoptotic protein that functions through interactions with a variety of cell apoptosis and growth related proteins including BCL-2, Raf-protein kinase, steroid hormone receptors, growth factor receptors and members of the heat shock protein 70 kDa family. This protein contains a BAG domain near the C-terminus, which could bind and inhibit the chaperone activity of Hsc70/Hsp70. Three transcript variants encoding two different isoforms have been

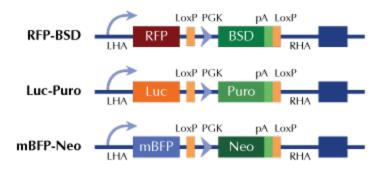
found for this gene. [provided by RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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