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Product datasheet for KN304265RB

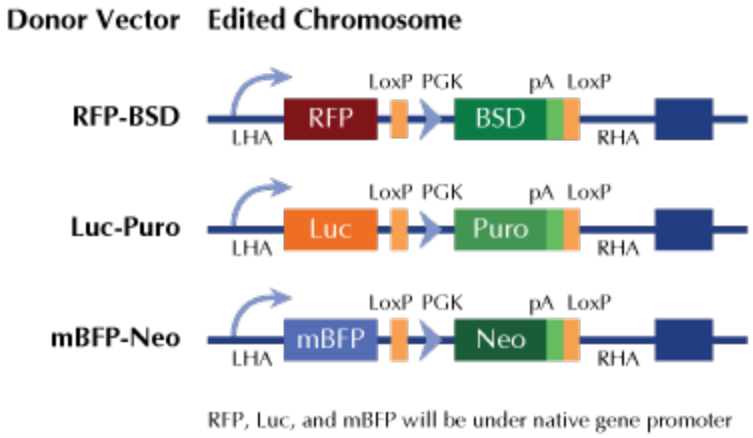
Dag1 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	Dag1
Locus ID:	13138
Components:	**KN304265G1**, Dag1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN304265G2**, Dag1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN304265RBD**, donor DNA containing left and right homologous arms and RFP-BSD 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_001276481, NM_001276482, NM_001276485, NM_001276486, NM_001276492, NM_001276493, NM_001276494, NM_010017
UniProt ID:	Q62165
Synonyms:	D9Wsu13e; DG; Dp71; Dp427
Summary:	This gene encodes dystroglycan, a central component of dystrophin-glycoprotein complex that links the extracellular matrix and the cytoskeleton in the skeletal muscle. The encoded preproprotein undergoes O- and N-glycosylation, and proteolytic processing to generate alpha and beta subunits. A complete lack of the encoded protein in mice results in embryonic lethality due to the disorganization of Reichert's membrane. Chimeric mice deficient in the encoded protein overcome embryonic lethality but develop a progressive muscular dystrophy. Alternative splicing results in multiple transcript variants, all encoding the same protein. [provided by RefSeq, Nov 2015]

View online »

Product images:



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