

Product datasheet for KN310167BN

Mmp14 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo Symbol: Mmp14 Locus ID: 17387

KN310167G1, Mmp14 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN310167G2, Mmp14 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN310167BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 008608

UniProt ID: P53690

Synonyms: Al325305; MMP-X1; MT-MMP-1; MT1-MMP; sabe

Summary: This gene encodes a member of the matrix metalloproteinase family of extracellular matrix-

> degrading enzymes that are involved in tissue remodeling, wound repair, progression of atherosclerosis and tumor invasion. The encoded preproprotein undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme. Mice lacking the encoded protein exhibit craniofacial dysmorphism, arthritis, osteopenia, dwarfism, and

fibrosis of soft tissues. [provided by RefSeq, Feb 2016]



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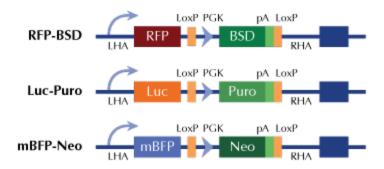
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Product images:

Donor Vector Edited Chromosome



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