

Product datasheet for KN310167LP

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Mmp14 Mouse 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: Mmp14 Locus ID: 17387

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

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

KN310167LPD, 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 008608</u>

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

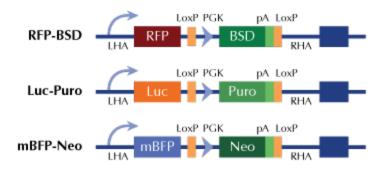
fibrosis of soft tissues. [provided by RefSeq, Feb 2016]





Product images:

Donor Vector Edited Chromosome



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