Product datasheet for KN310182LP

Mmp3 Mouse Gene Knockout Kit (CRISPR)

Product data:

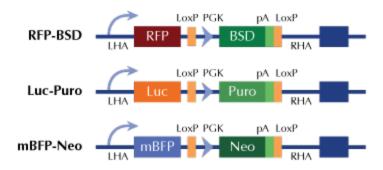|	
Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	Mmp3
Locus ID:	17392
Components:	**KN310182G1**, Mmp3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN310182G2**, Mmp3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN310182LPD**, 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_010809
UniProt ID:	P28862
Synonyms:	EMS-2; MMP-3; SL-1; SLN-1; SLN1; Stmy1; STR-1; Str1
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 protein is activated by the removal of an N-temrinal activation peptide to generate a zinc-dependent endopeptidase with a broad range of substrates such as proteoglycans, laminin, fibronectin, elastin, and collagens. This gene is located in a cluster of other matrix metalloproteinase genes on chromosome 9. [provided by RefSeq, Feb 2016]

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Product images:

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