

Product datasheet for **KN310163LP**

Mmp10 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:	Mmp10
Locus ID:	17384
Components:	KN310163G1 , Mmp10 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN310163G2 , Mmp10 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN310163LPD , 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_019471
UniProt ID:	O55123
Synonyms:	AV377895; MMP-10; SL-2
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. The lack of encoded protein in mice promotes experimental lung cancer formation, exacerbates experimental colitis and promotes development of inflammation-associated colonic dysplasia. 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:

