

## Product datasheet for **KN310167RB**

### Mmp14 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:	Mmp14
Locus ID:	17387
Components:	<p><b>KN310167G1</b>, Mmp14 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN310167G2</b>, Mmp14 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN310167RBD</b>, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
Disclaimer:	<p>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.</p>
RefSeq:	<a href="#">NM_008608</a>
UniProt ID:	<a href="#">P53690</a>
Synonyms:	AI325305; MMP-X1; MT-MMP-1; MT1-MMP; sabe
Summary:	<p>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]</p>



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## Product images:

