

Product datasheet for **KN215156LP**

Periostin (POSTN) Human 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:	Periostin
Locus ID:	10631
Components:	<p>KN215156G1, Periostin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN215156G2, Periostin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN215156LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p>GE100003, 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:	<p>NM_001135934, NM_001135935, NM_001135936, NM_001286665, NM_001286666, NM_001286667, NM_001330517, NM_006475</p>
UniProt ID:	Q15063
Synonyms:	OSF-2; OSF2; PDLPOSTN; PN
Summary:	<p>This gene encodes a secreted extracellular matrix protein that functions in tissue development and regeneration, including wound healing, and ventricular remodeling following myocardial infarction. The encoded protein binds to integrins to support adhesion and migration of epithelial cells. This protein plays a role in cancer stem cell maintenance and metastasis. Mice lacking this gene exhibit cardiac valve disease, and skeletal and dental defects. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]</p>



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Product images:

