

## Product datasheet for **KN204803LP**

### Osteopontin (SPP1) 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:	Osteopontin
Locus ID:	6696
Components:	<b>KN204803G1</b> , Osteopontin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN204803G2</b> , Osteopontin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN204803LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_000582</a> , <a href="#">NM_001040058</a> , <a href="#">NM_001040060</a> , <a href="#">NM_001251829</a> , <a href="#">NM_001251830</a>
UniProt ID:	<a href="#">P10451</a>
Synonyms:	BNSP; BSPI; ETA-1; OPN
Summary:	The protein encoded by this gene is involved in the attachment of osteoclasts to the mineralized bone matrix. The encoded protein is secreted and binds hydroxyapatite with high affinity. The osteoclast vitronectin receptor is found in the cell membrane and may be involved in the binding to this protein. This protein is also a cytokine that upregulates expression of interferon-gamma and interleukin-12. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]



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## Product images:

