

## Product datasheet for **KN204803RB**

### Osteopontin (SPP1) Human 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:	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>KN204803RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
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; BSP1; 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:

