

Product datasheet for KN212538RB

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc.

BMP1 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-BSI
Symbol: BMP1
Locus ID: 649

Components: KN212538G1, BMP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN212538G2, BMP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN212538RBD, donor DNA containing left and right homologous arms and RFP-BSD

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 001199, NM 006128, NM 006129, NM 006130, NM 006131, NM 006132, NR 033403,

NR 033404

UniProt ID: P13497

Synonyms: OI13; PCOLC; PCP; PCP2; TLD

Summary: This gene encodes a protein that is capable of inducing formation of cartilage in vivo.

Although other bone morphogenetic proteins are members of the TGF-beta superfamily, this gene encodes a protein that is not closely related to other known growth factors. This gene is expressed as alternatively spliced variants that share an N-terminal protease domain but

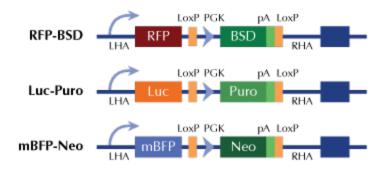
differ in their C-terminal region. [provided by RefSeq, Aug 2008]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter