

Product datasheet for KN207917RB

OriGene Technologies, Inc.

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Tripeptidyl peptidase II (TPP2) 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: Tripeptidyl peptidase II

Locus ID: 7174

Components: KN207917G1, Tripeptidyl peptidase II gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207917G2, Tripeptidyl peptidase II gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207917RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 003291, NM 001330588, N27441, NR 160411, NM 001367947

UniProt ID: P29144
Synonyms: TPP-2

Summary: This gene encodes a mammalian peptidase that, at neutral pH, removes tripeptides from the

N terminus of longer peptides. The protein has a specialized function that is essential for some MHC class I antigen presentation. The protein is a high molecular mass serine exopeptidase; the amino acid sequence surrounding the serine residue at the active site is similar to the peptidases of the subtilisin class rather than the trypsin class. [provided by

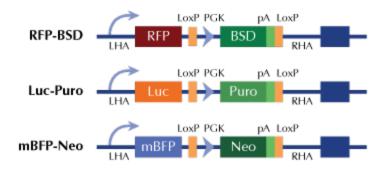
RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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