

## Product datasheet for **KN207917BN**

### Tripeptidyl peptidase II (TPP2) Human Gene Knockout Kit (CRISPR)

#### Product data:

|               |   |
|---------------|---|
| Product Type: | Knockout Kits (CRISPR)  |
| Format:       | 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control  |
| Donor DNA:    | mBFP-Neo  |
| Symbol:       | Tripeptidyl peptidase II  |
| Locus ID:     | 7174  |
| Components:   | <b>KN207917G1</b> , Tripeptidyl peptidase II gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br><b>KN207917G2</b> , Tripeptidyl peptidase II gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br><b>KN207917BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.<br><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_003291</a> , <a href="#">NM_001330588</a> , <a href="#">N27441</a> , <a href="#">NR_160411</a> , <a href="#">NM_001367947</a>  |
| UniProt ID:   | <a href="#">P29144</a>  |
| 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] |



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## Product images:

