

Product datasheet for KN212708BN

OriGene Technologies, Inc.

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Matriptase 2 (TMPRSS6) 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: Matriptase 2

Locus ID: 164656

Components: KN212708G1, Matriptase 2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN212708G2, Matriptase 2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN212708BND**, donor DNA containing left and right homologous arms and mBFP-Neo

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: <u>NM 001289000, NM 001289001, NM 153019, NM 153609</u>

UniProt ID: Q8IU80
Synonyms: IRIDA

Summary: The protein encoded by this gene is a type II transmembrane serine proteinase that is found

attached to the cell surface. The encoded protein may be involved in matrix remodeling processes in the liver. Alternative splicing results in multiple transcript variants. [provided by

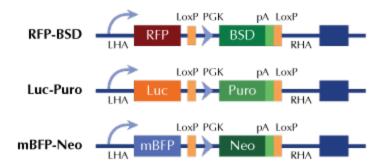
RefSeq, Jan 2014]





Product images:

Donor Vector Edited Chromosome



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