

Product datasheet for KN206187LP

OriGene Technologies, Inc.

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TXNDC (TMX1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: TXNDC Locus ID: 81542

Components: KN206187G1, TXNDC gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN206187G2, TXNDC gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206187LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 030755</u>

UniProt ID: Q9H3N1

Synonyms: PDIA11; TMX; TXNDC; TXNDC1

Summary: This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic

reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, and one transmembrane domain. Unlike most members of this gene family, it lacks a C-terminal ER-retention sequence. The mature membrane-bound protein can both oxidize and reduce disulfide bonds and acts selectively on membrane-associated polypeptides.

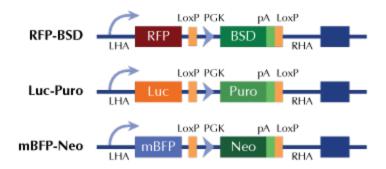
[provided by RefSeq, Jan 2017]





Product images:

Donor Vector Edited Chromosome



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