

Product datasheet for KN200658LP

OriGene Technologies, Inc.

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Syntaxin 3 (STX3) 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: Syntaxin 3

Locus ID: 6809

Components: KN200658G1, Syntaxin 3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN200658G2, Syntaxin 3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200658LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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 001178040</u>, <u>NM 004177</u>

UniProt ID: Q13277
Synonyms: STX3A

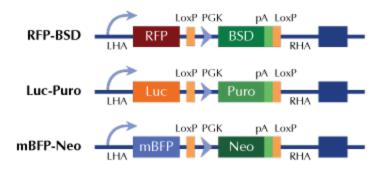
Summary: The gene is a member of the syntaxin family. The encoded protein is targeted to the apical

membrane of epithelial cells where it forms clusters and is important in establishing and maintaining polarity necessary for protein trafficking involving vesicle fusion and exocytosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]



Product images:

Donor Vector Edited Chromosome



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