

Product datasheet for KN210595BN

STEAP3 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 STEAP3 Symbol: Locus ID: 55240

KN210595G1, STEAP3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN210595G2, STEAP3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN210595BND, 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: NM 001008410, NM 018234, NM 138637, NM 182915

UniProt ID: Q658P3

Synonyms: AHMIO2; dudlin-2; dudulin-2; pHyde; STMP3; TSAP6

Summary: This gene encodes a multipass membrane protein that functions as an iron transporter. The

> encoded protein can reduce both iron (Fe3+) and copper (Cu2+) cations. This protein may mediate downstream responses to p53, including promoting apoptosis. Deficiency in this gene can cause anemia. Alternative splicing results in multiple transcript variants. [provided

by RefSeq, Aug 2015]



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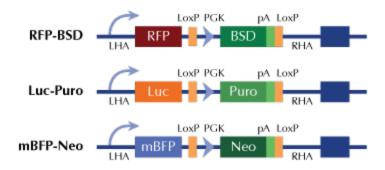
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Product images:

Donor Vector Edited Chromosome



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