

Product datasheet for KN203484RB

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5T4 (TPBG) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD

Symbol: 5T4

Locus ID: 7162

Components: KN203484G1, 5T4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN203484G2, 5T4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN203484RBD, donor DNA containing left and right homologous arms and RFP-BSD

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 001166392</u>, <u>NM 006670</u>

UniProt ID: Q13641

Synonyms: 5T4; 5T4AG; M6P1; WAIF1

Summary: This gene encodes a leucine-rich transmembrane glycoprotein that may be involved in cell

adhesion. The encoded protein is an oncofetal antigen that is specific to trophoblast cells. In adults this protein is highly expressed in many tumor cells and is associated with poor clinical outcome in numerous cancers. Alternate splicing in the 5' UTR results in multiple transcript

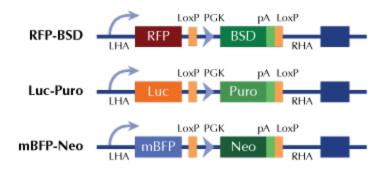
variants that encode the same protein. [provided by RefSeq, Oct 2009]





Product images:

Donor Vector Edited Chromosome



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