

Product datasheet for KN214233RB

TPR 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:

TPR Symbol:

Locus ID: 7175

KN214233G1, TPR gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN214233G2, TPR gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN214233RBD, 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: NM 003292

UniProt ID: P12270

Synonyms: nuclear pore complex-associated protein TPR; nucleoprotein TPR; OTTHUMP00000033584;

translocated promoter region (to activated MET oncogene); tumor potentiating region

Summary: This gene encodes a large coiled-coil protein that forms intranuclear filaments attached to

> the inner surface of nuclear pore complexes (NPCs). The protein directly interacts with several components of the NPC. It is required for the nuclear export of mRNAs and some proteins. Oncogenic fusions of the 5' end of this gene with several different kinase genes

occur in some neoplasias. [provided by RefSeq, Jul 2008]



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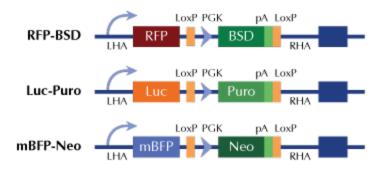
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Product images:

Donor Vector Edited Chromosome



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