

Product datasheet for KN211418RB

HIP1 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:

HIP1 Symbol: Locus ID: 3092

KN211418G1, HIP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN211418G2, HIP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN211418RBD, 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 001243198, NM 005338

UniProt ID: O00291

Synonyms: HIP-I; ILWEQ; SHON; SHONbeta; SHONgamma

Summary: The product of this gene is a membrane-associated protein that functions in clathrin-

> mediated endocytosis and protein trafficking within the cell. The encoded protein binds to the huntingtin protein in the brain; this interaction is lost in Huntington's disease. Alternative

splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]



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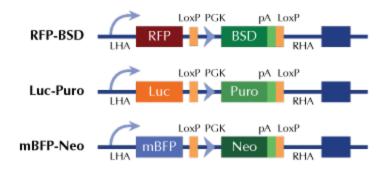
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Product images:

Donor Vector Edited Chromosome



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