

Product datasheet for KN224760BN

OriGene Technologies, Inc.

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SETD2 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

Symbol: SETD2 Locus ID: 29072

Components: KN224760G1, SETD2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN224760G2, SETD2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN224760BND, 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: <u>NM 012271, NM 014159, NM 001349370, NR 146158</u>

UniProt ID: Q9BYW2

Synonyms: FLJ16420; FLJ22472; FLJ45883; HIF1; KIAA1732

Summary: Huntington's disease (HD), a neurodegenerative disorder characterized by loss of striatal

neurons, is caused by an expansion of a polyglutamine tract in the HD protein huntingtin.

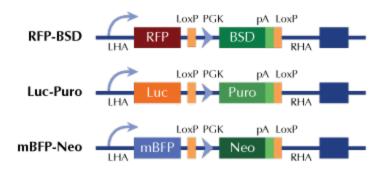
This gene encodes a protein belonging to a class of huntingtin interacting proteins

characterized by WW motifs. This protein is a histone methyltransferase that is specific for lysine-36 of histone H3, and methylation of this residue is associated with active chromatin. This protein also contains a novel transcriptional activation domain and has been found associated with hyperphosphorylated RNA polymerase II. [provided by RefSeq, Aug 2008]



Product images:

Donor Vector Edited Chromosome



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