

Product datasheet for KN205623RB

EIF4A2 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: EIF4A2 Symbol: Locus ID: 1974

KN205623G1, EIF4A2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN205623G2, EIF4A2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN205623RBD, 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 001967 **UniProt ID:** Q14240

Synonyms: BM-010; DDX2B; eIF-4A-II; EIF4A; eIF4A-II; EIF4F

Summary: ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap

recognition and is required for mRNA binding to ribosome. In the current model of

translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which

is necessary to allow efficient binding of the small ribosomal subunit, and subsequent

scanning for the initiator codon.[UniProtKB/Swiss-Prot Function]



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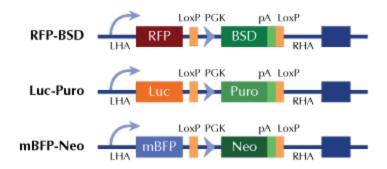
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Product images:

Donor Vector Edited Chromosome



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