

## 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:	RFP-BSD
Symbol:	EIF4A2
Locus ID:	1974
Components:	<b>KN205623G1</b> , EIF4A2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN205623G2</b> , EIF4A2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN205623RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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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## Product images:

