

Product datasheet for KN205623BN

Troduct dutasficet for Kitzosozsbi

EIF4A2 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: EIF4A2

Locus ID: 1974

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

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

KN205623BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 001967</u>

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]

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

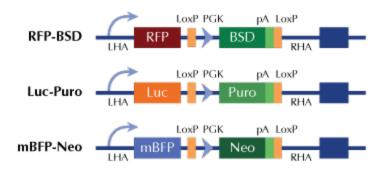
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Product images:

Donor Vector Edited Chromosome



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