

## Product datasheet for KN215749BN

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### **USP6 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

USP6 Symbol: 9098 Locus ID:

**KN215749G1**, USP6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

**KN215749G2**, USP6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN215749BND, 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.

NM 001039674, NM 001304284, NM 004505, NM 005152 RefSeq:

**UniProt ID:** P35125

Synonyms: HRP1; Tre-2; TRE2; TRE17

Summary: Deubiquitinase with an ATP-independent isopeptidase activity, cleaving at the C-terminus of

the ubiquitin moiety. Catalyzes its own deubiquitination. In vitro, isoform 2, but not isoform 3,

shows deubiquitinating activity. Promotes plasma membrane localization of ARF6 and selectively regulates ARF6-dependent endocytic protein trafficking. Is able to initiate

tumorigenesis by inducing the production of matrix metalloproteinases following NF-kappa-B

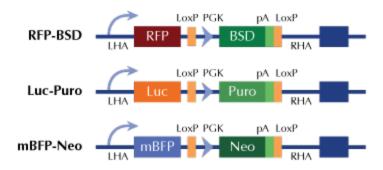
activation.[UniProtKB/Swiss-Prot Function]





# **Product images:**

#### Donor Vector Edited Chromosome



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