

Product datasheet for KN215749LP

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

USP6 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: USP6 Locus ID: 9098

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

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

KN215749LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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 001039674, NM 001304284, NM 004505, NM 005152</u>

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

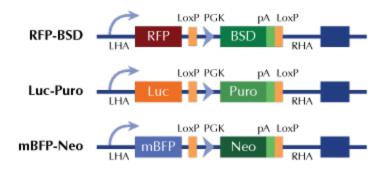
tumorigenesis by inducing the production of matrix metalloproteinases following NF-kappa-B

activation.[UniProtKB/Swiss-Prot Function]



Product images:

Donor Vector Edited Chromosome



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