

## Product datasheet for **KN215749LP**

### 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:	<b>KN215749G1</b> , USP6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN215749G2</b> , USP6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN215749LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro 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:	<a href="#">NM_001039674</a> , <a href="#">NM_001304284</a> , <a href="#">NM_004505</a> , <a href="#">NM_005152</a>
UniProt ID:	<a href="#">P35125</a>
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]



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**Product images:**
