

Product datasheet for **KN213986RB**

USP7 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: USP7

Locus ID: 7874

Components: **KN213986G1**, USP7 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)
KN213986G2, USP7 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)
KN213986RBD, donor DNA containing left and right homologous arms and RFP-BSD 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: [NM_001286457](#), [NM_001286458](#), [NM_003470](#), [NM_001321858](#), [NR_135826](#)

UniProt ID: [Q93009](#)

Synonyms: HAUSP; TEF1

Summary: The protein encoded by this gene belongs to the peptidase C19 family, which includes ubiquitinyl hydrolases. This protein deubiquitinates target proteins such as p53 (a tumor suppressor protein) and WASH (essential for endosomal protein recycling), and regulates their activities by counteracting the opposing ubiquitin ligase activity of proteins such as HDM2 and TRIM27, involved in the respective process. Mutations in this gene have been implicated in a neurodevelopmental disorder. [provided by RefSeq, Mar 2016]



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Product images:
