

Product datasheet for **KN215845RB**

STEAP2 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:	STEAP2
Locus ID:	261729
Components:	KN215845G1 , STEAP2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN215845G2 , STEAP2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN215845RBD , 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_001040665 , NM_001040666 , NM_001244944 , NM_001244945 , NM_001244946 , NM_152999
UniProt ID:	Q8NFT2
Synonyms:	IPCA1; PCANAP1; PUMPCn; STAMP1; STMP
Summary:	This gene is a member of the STEAP family and encodes a multi-pass membrane protein that localizes to the Golgi complex, the plasma membrane, and the vesicular tubular structures in the cytosol. A highly similar protein in mouse has both ferrireductase and cupric reductase activity, and stimulates the cellular uptake of both iron and copper in vitro. Increased transcriptional expression of the human gene is associated with prostate cancer progression. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]



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Product images:

