

Product datasheet for **KN210918RB**

ERP29 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:	ERP29
Locus ID:	10961
Components:	KN210918G1 , ERP29 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN210918G2 , ERP29 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN210918RBD , 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_001034025](#), [NM_006817](#)

UniProt ID: [P30040](#)

Synonyms: C12orf8; ERp28; ERp31; HEL-S-107; PDI-DB; PDIA9

Summary: This gene encodes a protein which localizes to the lumen of the endoplasmic reticulum (ER). It is a member of the protein disulfide isomerase (PDI) protein family but lacks an active thioredoxin motif, suggesting that this protein does not function as a disulfide isomerase. The canonical protein dimerizes and is thought to play a role in the processing of secretory proteins within the ER. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]



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Product images:

