

Product datasheet for KN205940LP

ERp57 (PDIA3) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR) 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control Format: Donor DNA: Luciferase-Puro ERp57 Symbol: 2923 Locus ID: **KN205940G1**, ERp57 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **Components:** KN205940G2, ERp57 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN205940LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. GE100003, scramble sequence in pCas-Guide vector RefSeq: NM 005313 **UniProt ID:** P30101 Synonyms: ER60; ERp57; ERp60; ERp61; GRP57; GRP58; HEL-S-93n; HEL-S-269; HsT17083; P58; PI-PLC Summary: This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates. This protein also functions as a molecular chaperone that prevents the formation of protein aggregates. [provided by RefSeq, Dec 2016]

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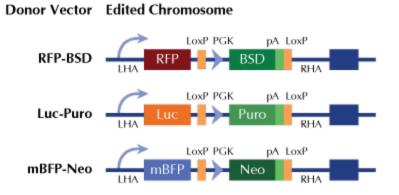
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Product images:



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

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