

## Product datasheet for **KN205940LP**

### ERp57 (PDIA3) 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:	ERp57
Locus ID:	2923
Components:	<p><b>KN205940G1</b>, ERp57 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN205940G2</b>, ERp57 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN205940LPD</b>, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<a href="#">NM_005313</a>
UniProt ID:	<a href="#">P30101</a>
Synonyms:	ER60; ERp57; ERp60; ERp61; GRP57; GRP58; HEL-S-93n; HEL-S-269; HsT17083; P58; PI-PLC
Summary:	<p>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]</p>



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## Product images:

