

## Product datasheet for **KN211292RB**

### GLDC 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:	GLDC
Locus ID:	2731
Components:	<b>KN211292G1</b> , GLDC gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN211292G2</b> , GLDC gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN211292RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
RefSeq:	<a href="#">NM_000170</a>
UniProt ID:	<a href="#">P23378</a>
Synonyms:	GCE; GCSP; HYGN1
Summary:	Degradation of glycine is brought about by the glycine cleavage system, which is composed of four mitochondrial protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase), H protein (a lipoic acid-containing protein), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase). The protein encoded by this gene is the P protein, which binds to glycine and enables the methylamine group from glycine to be transferred to the T protein. Defects in this gene are a cause of nonketotic hyperglycinemia (NKH).[provided by RefSeq, Jan 2010]



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Product images:

