

## Product datasheet for **KN200464LP**

### Hexokinase 1 (HK1) 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:	Hexokinase 1
Locus ID:	3098
Components:	<b>KN200464G1</b> , Hexokinase 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN200464G2</b> , Hexokinase 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN200464LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_000188</a> , <a href="#">NM_001322364</a> , <a href="#">NM_001322365</a> , <a href="#">NM_001322366</a> , <a href="#">NM_001322367</a> , <a href="#">NM_033496</a> , <a href="#">NM_033497</a> , <a href="#">NM_033498</a> , <a href="#">NM_033500</a> , <a href="#">NM_001358263</a>
UniProt ID:	<a href="#">P19367</a>
Synonyms:	hexokinase; HK; HK1-ta; HK1-tb; HK1-tc; HKD; HKI; HMSNR; HXK1
Summary:	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes a ubiquitous form of hexokinase which localizes to the outer membrane of mitochondria. Mutations in this gene have been associated with hemolytic anemia due to hexokinase deficiency. Alternative splicing of this gene results in several transcript variants which encode different isoforms, some of which are tissue-specific. [provided by RefSeq, Apr 2016]



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## Product images:

