

Product datasheet for **KN200464BN**

Hexokinase 1 (HK1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Hexokinase 1
Locus ID:	3098
Components:	KN200464G1 , Hexokinase 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN200464G2 , Hexokinase 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN200464BND , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. GE100003 , scramble sequence in pCas-Guide vector
RefSeq:	NM_000188 , NM_001322364 , NM_001322365 , NM_001322366 , NM_001322367 , NM_033496 , NM_033497 , NM_033498 , NM_033500 , NM_001358263
UniProt ID:	P19367
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:

