

## Product datasheet for **KN200468BN**

### GSK3 beta (GSK3B) 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:	GSK3 beta
Locus ID:	2932
Components:	<b>KN200468G1</b> , GSK3 beta gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN200468G2</b> , GSK3 beta gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN200468BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
RefSeq:	<a href="#">NM_001146156</a> , <a href="#">NM_002093</a> , <a href="#">NM_001354596</a>
UniProt ID:	<a href="#">P49841</a>
Synonyms:	glycogen synthase kinase-3 beta; glycogen synthase kinase 3 beta; GSK3beta isoform
Summary:	The protein encoded by this gene is a serine-threonine kinase belonging to the glycogen synthase kinase subfamily. It is a negative regulator of glucose homeostasis and is involved in energy metabolism, inflammation, ER-stress, mitochondrial dysfunction, and apoptotic pathways. Defects in this gene have been associated with Parkinson disease and Alzheimer disease. [provided by RefSeq, Aug 2017]



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## Product images:

