

## 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
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_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:

