

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:	 KN200468G1, GSK3 beta gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN200468G2, GSK3 beta gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN200468BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. GE100003, scramble sequence in pCas-Guide vector
RefSeq:	<u>NM 001146156, NM 002093, NM 001354596</u>
UniProt ID:	<u>P49841</u>
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]

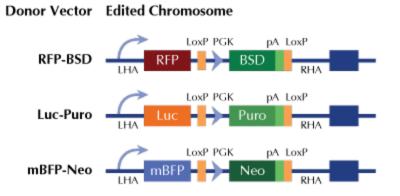
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Product images:



RFP, Luc, and mBFP will be under native gene promoter

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