

## Product datasheet for **KN223406BN**

### SIK3 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:	SIK3
Locus ID:	23387
Components:	<b>KN223406G1</b> , SIK3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN223406G2</b> , SIK3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN223406BND</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_001281748</a> , <a href="#">NM_001281749</a> , <a href="#">NM_025164</a> , <a href="#">NM_001366686</a> , <a href="#">NM_001366687</a>
UniProt ID:	<a href="#">Q9Y2K2</a>
Synonyms:	L19; QSK; SIK-3
Summary:	Positive regulator of mTOR signaling that functions by triggering the degradation of DEPTOR, an mTOR inhibitor. Involved in the dynamic regulation of mTOR signaling in chondrocyte differentiation during skeletogenesis (PubMed:30232230). Negatively regulates cAMP signaling pathway possibly by acting on CRTC2/TORC2 and CRTC3/TORC3 (Probable). Prevents HDAC4 translocation to the nucleus (By similarity).[UniProtKB/Swiss-Prot Function]



[View online »](#)

## Product images:

