

Product datasheet for **KN220964BN**

Zinc transporter 8 (SLC30A8) 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:	Zinc transporter 8
Locus ID:	169026
Components:	KN220964G1 , Zinc transporter 8 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN220964G2 , Zinc transporter 8 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN220964BND , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. GE100003 , 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: [NM_001172811](#), [NM_001172813](#), [NM_001172814](#), [NM_001172815](#), [NM_173851](#)

UniProt ID: [Q8IWU4](#)

Synonyms: ZnT-8; ZNT8

Summary: The protein encoded by this gene is a zinc efflux transporter involved in the accumulation of zinc in intracellular vesicles. This gene is expressed at a high level only in the pancreas, particularly in islets of Langerhans. The encoded protein colocalizes with insulin in the secretory pathway granules of the insulin-secreting INS-1 cells. Allelic variants of this gene exist that confer susceptibility to diabetes mellitus, noninsulin-dependent (NIDDM). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2010]



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Product images:

