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Product datasheet for KN220219BN

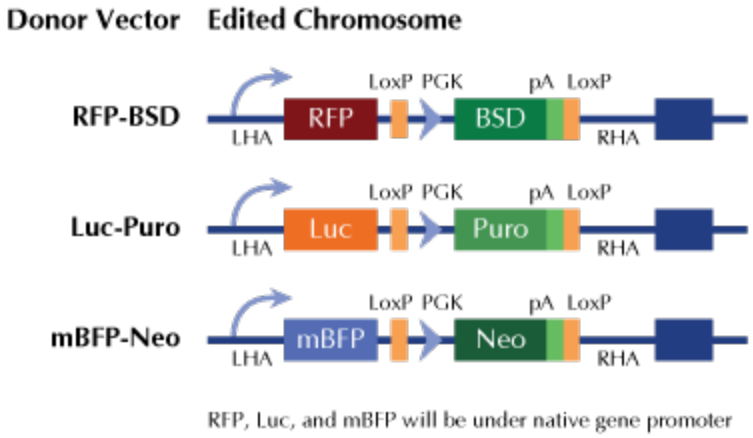
SLC30A10 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	SLC30A10
Locus ID:	55532
Components:	**KN220219G1**, SLC30A10 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN220219G2**, SLC30A10 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN220219BND**, 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_001004433, NM_018713, NR_046437
UniProt ID:	Q6XR72
Synonyms:	DKFZp547M236; solute carrier family 30 (zinc transporter), member 10; solute carrier family 30, member 10; zinc transporter 8; ZnT-10; ZNT8; ZNT8, ZnT-10, DKFZp547M236; ZNT10; ZRC1
Summary:	This gene is highly expressed in the liver and is inducible by manganese. Its protein product appears to be critical in maintaining manganese levels, and has higher specificity for manganese than zinc. Loss of function mutations appear to result in a pleomorphic phenotype, including dystonia and adult-onset parkinsonism. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Mar 2012]

View online »

Product images:



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