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Product datasheet for RC220964L3V

Zinc transporter 8 (SLC30A8) (NM_173851) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Zinc transporter 8 (SLC30A8) (NM_173851) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Zinc transporter 8
Synonyms:	ZnT-8; ZNT8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_173851
ORF Size:	1107 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC220964).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_173851.2
RefSeq Size:	5373 bp
RefSeq ORF:	1110 bp
Locus ID:	169026
UniProt ID:	Q8IWU4
Cytogenetics:	8q24.11
Protein Families:	Transmembrane
MW:	40.6 kDa

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Gene 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]