Product datasheet for MR205895L4V

Slc30a7 (NM_023214) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc30a7 (NM_023214) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc30a7
Synonyms:	1810059J10Rik; 2610034N15Rik; 4833428C12Rik; AI467242; ZnT-7; ZnT7; Zntl2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_023214
ORF Size:	1137 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205895).
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_023214.3
RefSeq Size:	9020 bp
RefSeq ORF:	1137 bp
Locus ID:	66500
UniProt ID:	Q9JKN1
Cytogenetics:	3 G1

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Gene Summary: Seems to facilitate zinc transport from the cytoplasm into the Golgi apparatus. Partly regulates cellular zinc homeostasis. Required with ZNT5 for the activation of zinc-requiring enzymes, alkaline phosphatases (ALPs). Transports zinc into the lumens of the Golgi apparatus and the vesicular compartments where ALPs locate, thus, converting apoALPs to holoALPs. Required with ZNT5 and ZNT6 for the activation of TNAP (By similarity). [UniProtKB/Swiss-Prot Function]