

## Product datasheet for **RC220219L3V**

### SLC30A10 (NM\_018713) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC30A10 (NM_018713) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC30A10
Synonyms:	HMDPC; HMNDYT1; ZnT-10; ZNT8; ZNT10; ZRC1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_018713
ORF Size:	1455 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220219).
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. <a href="#">More info</a>
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:	<a href="#">NM_018713.2</a>
RefSeq Size:	2869 bp
RefSeq ORF:	1458 bp
Locus ID:	55532
UniProt ID:	<a href="#">Q6XR72</a>
Cytogenetics:	1q41
Protein Families:	Transmembrane
MW:	52.5 kDa



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**Gene 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]