

## Product datasheet for **RC219733L1V**

### **NRAMP1 (SLC11A1) (NM\_000578) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	NRAMP1 (SLC11A1) (NM_000578) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC11A1
Synonyms:	LSH; NRAMP; NRAMP1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000578
ORF Size:	1650 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219733).
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_000578.2</a> , <a href="#">NP_000569.2</a>
RefSeq Size:	2573 bp
RefSeq ORF:	1653 bp
Locus ID:	6556
UniProt ID:	<a href="#">P49279</a>
Cytogenetics:	2q35
Domains:	Nramp
Protein Families:	Transmembrane



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**Protein Pathways:** Lysosome

**MW:** 59.7 kDa

**Gene Summary:** This gene is a member of the solute carrier family 11 (proton-coupled divalent metal ion transporters) family and encodes a multi-pass membrane protein. The protein functions as a divalent transition metal (iron and manganese) transporter involved in iron metabolism and host resistance to certain pathogens. Mutations in this gene have been associated with susceptibility to infectious diseases such as tuberculosis and leprosy, and inflammatory diseases such as rheumatoid arthritis and Crohn disease. Alternatively spliced variants that encode different protein isoforms have been described but the full-length nature of only one has been determined. [provided by RefSeq, Jul 2008]