

## Product datasheet for **RC206665L2V**

### SLC39A5 (NM\_173596) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC39A5 (NM_173596) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC39A5
Synonyms:	LZT-Hs7; MYP24; ZIP5
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_173596
ORF Size:	1617 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206665).
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_173596.1</a> , <a href="#">NP_775867.1</a>
RefSeq Size:	2015 bp
RefSeq ORF:	1623 bp
Locus ID:	283375
UniProt ID:	<a href="#">Q6ZMH5</a>
Cytogenetics:	12q13.3
Protein Families:	Transmembrane
MW:	56.3 kDa



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**Gene Summary:**

The protein encoded by this gene belongs to the ZIP family of zinc transporters that transport zinc into cells from outside, and play a crucial role in controlling intracellular zinc levels. Zinc is an essential cofactor for many enzymes and proteins involved in gene transcription, growth, development and differentiation. Mutations in this gene have been associated with autosomal dominant high myopia (MYP24). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]