

## Product datasheet for **RC225601L4V**

### **BIGM103 (SLC39A8) (NM\_001135148) Human Tagged ORF Clone Lentiviral Particle**

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	BIGM103 (SLC39A8) (NM_001135148) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BIGM103
Synonyms:	BIGM103; CDG2N; LZT-Hs6; PP3105; ZIP8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001135148
ORF Size:	1179 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC225601).
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_001135148.1</a> , <a href="#">NP_001128620.1</a>
RefSeq ORF:	1182 bp
Locus ID:	64116
UniProt ID:	<a href="#">Q9C0K1</a>
Cytogenetics:	4q24
Protein Families:	Transmembrane
MW:	43 kDa



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**Gene Summary:**

This gene encodes a member of the SLC39 family of solute-carrier genes, which show structural characteristics of zinc transporters. The encoded protein is glycosylated and found in the plasma membrane and mitochondria, and functions in the cellular import of zinc at the onset of inflammation. It is also thought to be the primary transporter of the toxic cation cadmium, which is found in cigarette smoke. Multiple transcript variants encoding different isoforms have been found for this gene. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Oct 2008]