

## Product datasheet for **MR208117L4V**

### Slc38a2 (NM\_175121) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc38a2 (NM_175121) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc38a2
Synonyms:	5033402L14Rik; AI316867; ATA2; mKIAA1382; SAT2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_175121
ORF Size:	1512 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208117).
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_175121.3</a>
RefSeq Size:	4645 bp
RefSeq ORF:	1515 bp
Locus ID:	67760
UniProt ID:	<a href="#">Q8CFE6</a>
Cytogenetics:	15 F1


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**Gene Summary:**

Functions as a sodium-dependent amino acid transporter. Mediates the saturable, pH-sensitive and electrogenic cotransport of neutral amino acids and sodium ions with a stoichiometry of 1:1. May function in the transport of amino acids at the blood-brain barrier and in the supply of maternal nutrients to the fetus through the placenta.[UniProtKB/Swiss-Prot Function]