

Product datasheet for **MR208711L4V**

Slc38a4 (NM_027052) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc38a4 (NM_027052) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc38a4
Synonyms:	1110012E16Rik; 1700012A18Rik; Ata3; mATA3; mNAT3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_027052
ORF Size:	1644 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208711).
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. More info
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:	NM_027052.2 , NP_081328.2
RefSeq Size:	3932 bp
RefSeq ORF:	1644 bp
Locus ID:	69354
UniProt ID:	Q8R1S9
Cytogenetics:	15 F1


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Gene Summary:

Sodium-dependent amino acid transporter. Mediates electrogenic symport of neutral amino acids and sodium ions. Has a broad specificity, with a preference for Ala, followed by Ser, His, Gly, Cys, Asn, Thr, Pro, Gln and Met. May mediate sodium-independent transport of cationic amino acids, such as Arg and Lys. Amino acid uptake is pH-dependent, with lower transport activities at pH 6.5, intermediate at pH 7.0 and highest between pH 7.5 and 8.5.
[UniProtKB/Swiss-Prot Function]