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Product datasheet for MR218908L4V

Slc17a5 (NM_172773) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc17a5 (NM_172773) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc17a5
Synonyms:	4631416G20Rik; 4732491M05; AST; ISSD; NSD; SD; SIALIN; SIASD; SLD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172773
ORF Size:	1485 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218908).
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_172773.3, NP_766361.1
RefSeq Size:	3201 bp
RefSeq ORF:	1488 bp
Locus ID:	235504
UniProt ID:	Q8BN82
Cytogenetics:	9 E1

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Gene Summary: Transports glucuronic acid and free sialic acid out of the lysosome after it is cleaved from sialoglycoconjugates undergoing degradation, this is required for normal CNS myelination. Mediates aspartate and glutamate membrane potential-dependent uptake into synaptic vesicles and synaptic-like microvesicles. Also functions as an electrogenic 2NO(3)(-)/H(+) cotransporter in the plasma membrane of salivary gland acinar cells, mediating the physiological nitrate efflux, 25% of the circulating nitrate ions is typically removed and secreted in saliva (By similarity).[UniProtKB/Swiss-Prot Function]