

Product datasheet for **MR217580L4V**

Slc7a2 (NM_001044740) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc7a2 (NM_001044740) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc7a2
Synonyms:	20.5; A1158848; Atrc2; CAT-2; Cat2; Tea
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001044740
ORF Size:	1974 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR217580).
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_001044740.1 , NP_001038205.1
RefSeq Size:	7708 bp
RefSeq ORF:	1977 bp
Locus ID:	11988
UniProt ID:	P18581
Cytogenetics:	8 23.89 cM



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Gene Summary:

Isoform 1 functions as low-affinity, high capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine). Isoform 2 also functions as permease that mediates the transport of the cationic amino acids (arginine, lysine and ornithine), but it has much higher affinity for arginine than isoform 1. May play a role in classical or alternative activation of macrophages via its role in arginine transport.[UniProtKB/Swiss-Prot Function]