

## Product datasheet for **MR208779L4V**

### Slc22a4 (NM\_019687) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc22a4 (NM_019687) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc22a4
Synonyms:	Octn1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019687
ORF Size:	1662 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208779).
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_019687.3</a>
RefSeq Size:	2260 bp
RefSeq ORF:	1662 bp
Locus ID:	30805
UniProt ID:	<a href="#">Q9Z306</a>
Cytogenetics:	11 32.07 cM



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**Gene Summary:**

Sodium-ion dependent, low affinity carnitine transporter. Probably transports one sodium ion with one molecule of carnitine. Also transports organic cations such as tetraethylammonium (TEA) without the involvement of sodium. Relative uptake activity ratio of carnitine to TEA is 1.78.[UniProtKB/Swiss-Prot Function]