

## Product datasheet for **MR210174L4V**

### Slc44a4 (NM\_023557) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc44a4 (NM_023557) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc44a4
Synonyms:	2210409B01Rik; mTPPT1; NG22
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_023557
ORF Size:	2124 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210174).
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_023557.2</a> , <a href="#">NP_076046.1</a>
RefSeq Size:	2345 bp
RefSeq ORF:	2124 bp
Locus ID:	70129
UniProt ID:	<a href="#">Q91VA1</a>
Cytogenetics:	17 B1



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**Gene Summary:**

Choline transporter that plays a role in the choline-acetylcholine system and is required to the efferent innervation of hair cells in the olivocochlear bundle for the maintenance of physiological function of outer hair cells and the protection of hair cells from acoustic injury (By similarity). Also described as a thiamine pyrophosphate transporter in colon, may mediate the absorption of microbiota-generated thiamine pyrophosphate and contribute to host thiamine (vitamin B1) homeostasis (PubMed:24379411).[UniProtKB/Swiss-Prot Function]