

Product datasheet for **MR222149L4V**

Cps1 (NM_001080809) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cps1 (NM_001080809) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cps1
Synonyms:	4732433M03Rik; C; CPS; D1Ucl; D1Ucla3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001080809
ORF Size:	4503 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222149).
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_001080809.1 , NP_001074278.1
RefSeq Size:	5585 bp
RefSeq ORF:	4503 bp
Locus ID:	227231
UniProt ID:	Q8C196
Cytogenetics:	1 33.75 cM



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Gene Summary:

This gene encodes a protein localized to the inner mitochondrial matrix. The encoded protein plays a role in the detoxification of ammonia by catalyzing the first step in the urea cycle in which carbonyl-phosphate is synthesized from ammonia and bicarbonate. Carbonyl-phosphate is subsequently converted to urea that is excreted by the kidneys. Deficiency of the encoded enzyme leads to an accumulation of ammonia in the blood. High levels of ammonia are toxic to the central nervous system and result in neurological disorders. [provided by RefSeq, Oct 2013]