

Product datasheet for **MR206223L4V**

Ctse (NM_007799) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ctse (NM_007799) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ctse
Synonyms:	A430072O03Rik; C920004C08Rik; Cat; CatE; CE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007799
ORF Size:	1191 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206223).
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_007799.3 , NP_031825.2
RefSeq Size:	2120 bp
RefSeq ORF:	1194 bp
Locus ID:	13034
UniProt ID:	P70269
Cytogenetics:	1 57.14 cM



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Gene Summary:

This gene encodes a member of the peptidase A1 family of aspartate proteases and preproprotein that is proteolytically processed to generate a mature protein product. The encoded protein may be involved in antigen processing and the maturation of secretory proteins. Elevated expression of this gene has been observed in neurodegeneration. Homozygous knockout mice for this gene exhibit lysosomal storage disorder, impaired autophagy, mitochondrial abnormalities, dermatitis, and reduced weight gain in an obesity model. [provided by RefSeq, Aug 2015]