

## Product datasheet for **MR204311L4V**

### Ctsz (NM\_022325) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Ctsz (NM_022325) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ctsz
Synonyms:	AI787083; AU019819; CTS; CTSX; D2Wsu143; D2Wsu143e
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022325
ORF Size:	921 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204311).
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_022325.4</a>
RefSeq Size:	1393 bp
RefSeq ORF:	921 bp
Locus ID:	64138
UniProt ID:	<a href="#">Q9WUU7</a>
Cytogenetics:	2 97.94 cM



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**Gene Summary:**

This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. The encoded preproprotein is proteolytically processed to generate a mature enzyme with carboxypeptidase activity. An enzymatically inactive form of the protein, that is associated with the propeptide, may be involved in cancer cell invasion and proliferation. Homozygous knockout mice for this gene exhibit impaired cancer cell invasion in a breast cancer model. [provided by RefSeq, Aug 2015]