

## Product datasheet for **RC208268L1V**

### Cathepsin O (CTSO) (NM\_001334) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Cathepsin O (CTSO) (NM_001334) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cathepsin O
Synonyms:	CTSO1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001334
ORF Size:	963 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208268).
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_001334.2</a>
RefSeq Size:	2943 bp
RefSeq ORF:	966 bp
Locus ID:	1519
UniProt ID:	<a href="#">P43234</a>
Cytogenetics:	4q32.1
Domains:	Pept_C1
Protein Families:	Druggable Genome, Protease



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**Protein Pathways:** Lysosome

**MW:** 36 kDa

**Gene Summary:** The protein encoded by the gene is a cysteine proteinase and a member of the papain superfamily. This proteolytic enzyme is involved in cellular protein degradation and turnover. The recombinant form of this enzyme was shown to degrade synthetic peptides typically used as substrates for cysteine proteinases and its proteolytic activity was abolished by an inhibitor of cyteine proteinase. [provided by RefSeq, Jul 2008]