

## Product datasheet for **RC200373L1V**

### Cathepsin H (CTSH) (NM\_004390) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Cathepsin H (CTSH) (NM_004390) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CTSH
Synonyms:	ACC-4; ACC-5; ACC4; ACC5; CPSB
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_004390
ORF Size:	1005 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200373).
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_004390.2</a>
RefSeq Size:	1494 bp
RefSeq ORF:	1008 bp
Locus ID:	1512
UniProt ID:	<a href="#">P09668</a>
Cytogenetics:	15q25.1
Domains:	Pept_C1
Protein Families:	Druggable Genome, Protease



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**Protein Pathways:** Lysosome

**MW:** 37.4 kDa

**Gene Summary:** The protein encoded by this gene is a lysosomal cysteine proteinase important in the overall degradation of lysosomal proteins. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. The encoded protein, which belongs to the peptidase C1 protein family, can act both as an aminopeptidase and as an endopeptidase. Increased expression of this gene has been correlated with malignant progression of prostate tumors. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]