OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC204892L4V

Cathepsin K (CTSK) (NM_000396) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cathepsin K (CTSK) (NM_000396) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cathepsin K
Synonyms:	CTS02; CTSO; CTSO1; CTSO2; PKND; PYCD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000396
ORF Size:	987 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC204892).`
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_000396.2
RefSeq Size:	1825 bp
RefSeq ORF:	990 bp
Locus ID:	1513
UniProt ID:	P43235
Cytogenetics:	1q21.3
Domains:	Pept_C1
Protein Families:	Druggable Genome, Protease

View online »

Protein Pathways: Lysosome

MW: 37 kDa

Gene Summary: The protein encoded by this gene is a lysosomal cysteine proteinase involved in bone remodeling and resorption. This protein, which is a member of the peptidase C1 protein family, is predominantly expressed in osteoclasts. However, the encoded protein is also expressed in a significant fraction of human breast cancers, where it could contribute to tumor invasiveness. Mutations in this gene are the cause of pycnodysostosis, an autosomal recessive disease characterized by osteosclerosis and short stature. [provided by RefSeq, Apr 2013]