

Product datasheet for AR52045PU-N

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

OriGene Technologies, Inc.

Cathepsin L1 (18-334, His-tag) Mouse Protein

Product data:

Product Type: Recombinant Proteins

Description: Cathepsin L1 (18-334, His-tag) mouse protein, 0.1 mg

Species: Mouse

Expression cDNA Clone

or AA Sequence:

TPKFDQTFSA EWHQWKSTHR RLYGTNEEEW RRAIWEKNMR MIQLHNGEYS NGQHGFSMEM NAFGDMTNEE FRQVVNGYRH QKHKKGRLFQ EPLMLKIPKS VDWREKGCVT PVKNQGQCGS CWAFSASGCL EGQMFLKTGK LISLSEQNLV DCSHAQGNQG CNGGLMDFAF QYIKENGGLD SEESYPYEAK DGSCKYRAEF AVANDTGFVD IPQQEKALMK AVATVGPISV AMDASHPSLQ FYSSGIYYEP NCSSKNLDHG VLLVGYGYEG TDSNKNKYWL VKNSWGSEWG MEGYIKIAKD

RDNHCGLATA ASYPVVNLEH HHHHH

Tag: His-tag
Predicted MW: 36.8 kDa
Concentration: lot specific

Purity: >90% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Endotoxin: < 1.0 EU per 1 microgram of protein (determined by LAL method)

Preparation: Liquid purified protein

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 034114

Locus ID: 13039

UniProt ID: <u>P06797</u>, <u>Q543M3</u>

Cytogenetics: 13 33.26 cM

Synonyms: 1190035F06Rik; CatL; Ctsl1; fs; ME; MEP; nkt

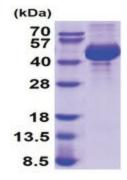




Summary:

This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. The encoded preproprotein is proteolytically processed to generate multiple protein products. These products include the activation peptide and the cathepsin L1 heavy and light chains. The mature enzyme appears to be important in embryonic development through its processing of histone H3 and may play a role in disease progression in a model of kidney disease. Homozygous knockout mice for this gene exhibit hair loss, skin thickening, bone and heart defects, and enhanced susceptibility to bacterial infection. A pseudogene of this gene has been identified in the genome. [provided by RefSeq, Aug 2015]

Product images:



15% SDS-PAGE (3ug)