

Product datasheet for **AR52045PU-S**

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

Product data:

Product Type:	Recombinant Proteins
Description:	Cathepsin L1 (18-334, His-tag) mouse protein, 20 µg
Species:	Mouse
Expression cDNA Clone or AA Sequence:	TPKFDQTFSA EWHQWKSTHR RLYGTNEEEW RRAIWEKNMR MIQLHNGEYS NGQHGFSEMEM NAFGDMTNEE FRQVNGYRH QKHKKGRLEQ EPLMLKIPKS VDWREKGCVT PVKNQGQCGS CWAFSASGCL EGQMFLKTGK LISLSEQNLV DCSHAQGNQG CNGGLMDFAF QYIKENGGLD SEESYPYEAQ DGSCKYRAEF AVANDTGFVD IPQQEKALMK AVATVGPIV 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:	P06797 , Q543M3
Cytogenetics:	13 33.26 cM
Synonyms:	1190035F06Rik; CatL; Ctsl1; fs; ME; MEP; nkt



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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: