

## Product datasheet for **AR52076PU-S**

### Cathepsin S (21-340, His-tag) Mouse Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Cathepsin S (21-340, His-tag) mouse protein, 50 µg
Species:	Mouse
Expression cDNA Clone or AA Sequence:	EQLQRDP TLDYHWDLWK KTHEKEYKDK NEEVRRLIW EKNLKFIMIH NLEYSMGMHT YQVGMNDMGD MTNEEISCRM GALRISRQSP KVTFRSYSN RTLPDPTVDWR EKGCVTEVKY QGSCGACWAF SAVGALEGQL KLKTGKLISL SAQNLVDCSN EEKYGNKGC GGYMTEAFQY IIDNGGIEAD ASYPYKAMDE KCHYNSKNRA ATCSRYIQLP FGDEDALKEA VATKGPVSVG IDASHSSFFF YKSGVYDDPS CTGNVNHGVL VVGYGTLGK DYWLKNSWG LNFGDQGYIR MARNKNHCG IASYCSYPEI LEHHHHHHHDY WLKNSWGLN FGDQGYIRMA RNNKNHCGIA SYCSYPEILE HHHHHH
Tag:	His-tag
Predicted MW:	36.9kDa (325aa)
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:	<a href="#">NP_001254624</a>
Locus ID:	13040
UniProt ID:	<a href="#">F6WR04</a> , <a href="#">Q3UD32</a> , <a href="#">Q8BSZ5</a>
Cytogenetics:	3 40.74 cM
Synonyms:	Cats



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**Summary:**

This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. Alternative splicing results in multiple transcript variants, which encode preproproteins that are proteolytically processed to generate mature protein products. This enzyme is secreted by antigen-presenting cells during inflammation and may induce pain and itch via activation of G-protein coupled receptors. Homozygous knockout mice for this gene exhibit impaired wound healing, reduced tumorigenesis in a pancreatic cancer model, and reduced pathogenesis in a myasthenia gravis model. [provided by RefSeq, Aug 2015]

**Product images:**