

## **Product datasheet for AR52076PU-N**

### Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

Rockville, MD 20850, US

EU: info-de@origene.com CN: techsupport@origene.cn

**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

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

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Cathepsin S (21-340, His-tag) mouse protein, 0.25 mg

Species: Mouse

**Expression cDNA Clone** 

or AA Sequence:

EQLQRDP TLDYHWDLWK KTHEKEYKDK NEEEVRRLIW EKNLKFIMIH NLEYSMGMHT YQVGMNDMGD MTNEEISCRM GALRISRQSP KTVTFRSYSN RTLPDTVDWR EKGCVTEVKY QGSCGACWAF SAVGALEGQL KLKTGKLISL SAQNLVDCSN EEKYGNKGCG GGYMTEAFQY

IIDNGGIEAD ASYPYKAMDE KCHYNSKNRA ATCSRYIQLP FGDEDALKEA VATKGPVSVG
IDASHSSFFF YKSGVYDDPS CTGNVNHGVL VVGYGTLDGK DYWLVKNSWG LNFGDQGYIR
MARNNKNHCG IASYCSYPEI LEHHHHHHDY WLVKNSWGLN 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:** NP 001254624

**Locus ID:** 13040

UniProt ID: F6WR04, Q3UD32, Q8BSZ5

Cytogenetics: 3 40.74 cM

Synonyms: Cats

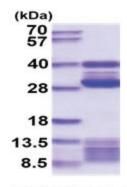




### **Summary:**

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:**



15% SDS-PAGE (3ug)