

Product datasheet for **AR52049PU-S**

Cathepsin A (24-474, His-tag) Mouse Protein

Product data:

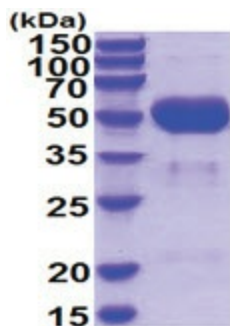
Product Type:	Recombinant Proteins
Description:	Cathepsin A (24-474, His-tag) mouse protein, 50 µg
Species:	Mouse
Expression cDNA Clone or AA Sequence:	APDQDEIDCL PGLAKQPSFR QYSGYLRASD SKHFHYWFVE SQNDPKNSPV VLWLNGGPGC SSLDGLLTEH GPFLIQPDGV TLEYNPYAWN LIANVLYIES PAGVGFYSYSD DKMYVTNDTE VAENNYEALK DFFRLFPEYK DNKLFLTGES YAGIYIPTLA VLVMQDPSMN LQGLAVGNGL ASYEQNDNSL VYFAYYHGLL GNRLWTSLQT HCCAQNKCNF YDNKDPECVN NLLEVSRIWG KSGLNINLY APCAGGVPGR HRYEDTLVQ DFGNIFTRLP LKRRFPEALM RSGDKVRLDP PCTNTTAPSN YLNNPYVRKA LHIPESLPRW DMCNFLVNLQ YRRLYQSMNS QYLKLLSSQK YQILLYNGDV DMACNFMGDE WFVDSL NQKM EVQRRPWLV D YGESGEQVAG FVKECSHITF LTIKGAGHMV PTDKPRAAFT MFSRFLNKEP YVEHHHHHH
Tag:	His-tag
Predicted MW:	52.4 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_001033581
Locus ID:	19025
UniProt ID:	P16675 , Q544R6 , Q9D2D1
Cytogenetics:	2 85.27 cM
Synonyms:	AU019505; P; Pp; PPCA; Ppqb



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Summary:

This gene encodes a glycoprotein with deamidase, esterase and carboxypeptidase activities. The encoded protein associates with and provides a protective function to the lysosomal enzymes beta-galactosidase and neuraminidase. Deficiency of the related gene in humans results in galactosialidosis. The proprotein is processed into two shorter chains. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]

Product images:

15% SDS-PAGE (3ug)