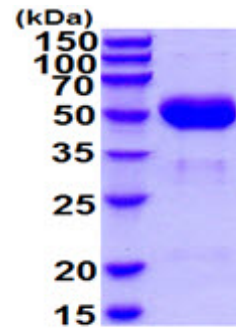


**AR52049PU-S****Mouse Cathepsin A (24-474, His-tag) - Purified**

<b>Alternate names:</b>	CTSA, Carboxypeptidase C, Carboxypeptidase L, Lysosomal protective protein, PPCA, PPGB, Protective protein for beta-galactosidase
<b>Quantity:</b>	50 µg
<b>Concentration:</b>	0.5 mg/ml (determined by absorbance at 280nm)
<b>Background:</b>	CTSA, also known as lysosomal protective protein isoform b, is a component of the lysosomal multienzyme complex along with beta-galactosidase and sialidase Neu1. It is a multicatalytic enzyme with deamidase and esterase in addition to carboxypeptidase activities. Recombinant mouse CTSA, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Uniprot ID:</b>	<a href="#">P16675</a>
<b>NCBI:</b>	<a href="#">NP_001033581</a>
<b>Species:</b>	Mouse
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> Phosphate Buffered Saline (pH 7.4) containing 10% glycerol. <b>Endotoxin Level:</b> < 1.0 EU per 1 microgram of protein (determined by LAL method)
<b>Description:</b>	<b>AA Sequence:</b> APDQDEIDCL PGLAKQPSFR QYSGYLRSAD SKHFHYWFVE SQNDPKNSPV VLWLNNGGPGC SSLDGLLTEH GPFLIQPDGV TLEYNPYAWN LIANVLYIES PAGVGFSYSYD DKMYVTNDTE VAENNYEALK DFFRLFPPEYK DNKLFLTGES YAGIYIPTLA VLVMQDPSMN LQGLAVGNGL ASYEQNDNSL VYFAYYHGLL GNRLWTSLQT HCCAQNKCNEF YDNKDPECVN NLEEVSRIVG KSGLNINLY APCAGGVPR HRYEDTLVVQ DFGNIFTRLP LKRRFPPEALM RSGDKVRLDP PCTNTTAPSN YLNNPYVRKA LHIPELPRW DMCNFLVNLQ YRRLYQSMNS QYLKLLSSQK YQILLYNGDV DMACNFMGDE WFDVSLNQKM EVQRRPWLVD YGESGEQVAG FVKECSHITF LTIKGAGHMV PTDKPRAAFT MFSRFLNKEP YVEHHHHHHH <b>Molecular weight:</b> 52.4 kDa (459aa)
<b>Storage:</b>	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. Shelf life: one year from despatch.
<b>General Readings:</b>	Seyrantepe V., et al. (2008) Circulation. 117:1973-1981. Hiraiwa M., et al. (1999) Cell Mol Life Sci. 56:894-907.

Pictures:



15% SDS-PAGE (3ug)