

Recombinant Mouse CtSa Protein, His-tagged

Cat. No. CtSa-7309M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CtSa Protein with a His tag.
Species	Mouse
ProteinLength	24-474
Description	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.
Form	Liquid
Molecular Mass	52.4 kDa
AA Sequence	APDQDEIDCLPGLAKQPSFRQYSGYLRASDSKHFHYWVFVESQNDPKNSPVVLWLN GGPGCSSLDGLLTEHGPFLIQPDGVTLEYNPYAWNLIANVLYIESPAGVGFSYSDDK MYVTNDTEVAENNYEALKDFFRLFPEYKDNKFLTGESYAGIYIPTLAVLVMQDPSM NLQGLAVGNGLASYEQNDNSLVYFAYYHGLLGNRLWTSLQTHCCAQNKCNFYDNK DPECVNNLLEVSRIVGKSGLNINLYAPCAGGVPGRHRYEDTLVVQDFGNIFTRLPL KRRFPEALMRSGDKVRLDPPCTNTTAPSNYLNNPYVRKALHIPESLPRWDMCNFLV NLQYRRLYQSMNSQYLKLLSSQKYQILLYNGDVDMACNFMGDEWFVDSL NQKMEV QRRPWLVDYGESGEQVAGFVKECSHITFLTIKGAGHMVPTDKPRAAFTMFSRFLNK

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Endotoxin	< 1.0 EU/μg of protein (determined by LAL method)
Purity	> 90 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	0.5 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

GENE INFORMATION

Gene Name	Ctsa cathepsin A [Mus musculus (house mouse)]
Official Symbol	Ctsa
Synonyms	Ctsa; cathepsin A; P; Pp; PPCA; Ppgb; AU019505; lysosomal protective protein; carboxypeptidase C; carboxypeptidase L; protective protein cathepsin A; protective protein for beta-galactosidase; EC 3.4.16.5
Gene ID	19025
mRNA Refseq	NM_001038492
Protein Refseq	NP_001033581

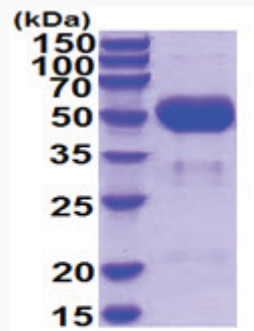
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UniProt ID P16675

SDS-PAGE



15% SDS-PAGE (3ug)

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