

Recombinant Mouse CtSa Protein, His/GST-tagged

Cat. No. CtSa-490M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CtSa(Asp215~Met470) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asp215~Met470
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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	61.4kDa
Identity	Reconstitute in PBS or others
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	Ctsa cathepsin A [<i>Mus musculus</i>]
Official Symbol	Ctsa
Synonyms	CTSA; cathepsin A; lysosomal protective protein; carboxypeptidase C; carboxypeptidase L; protective protein cathepsin A; protective protein for beta-galactosidase; PPCA; Ppqb; AU019505;
Gene ID	19025
mRNA Refseq	NM_001038492
Protein Refseq	NP_001033581
UniProt ID	P16675

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