Recombinant Rat Ctsa Protein, His-tagged

Cat. No. Ctsa-875R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ctsa Protein (Ala42-Tyr493) with His tag was expressed in CHO.
Species	Rat
Source	CHO
ProteinLength	Ala42-Tyr493
Description	Predicted to enable serine-type carboxypeptidase activity. Predicted to be involved in negative regulation of chaperone-mediated autophagy; proteolysis; and regulation of protein stability. Located in lysosomal membrane. Human ortholog(s) of this gene implicated in galactosialidosis and lysosomal storage disease. Orthologous to human CTSA (cathepsin A).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.0 kDa; Accurate Molecular Mass: \
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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

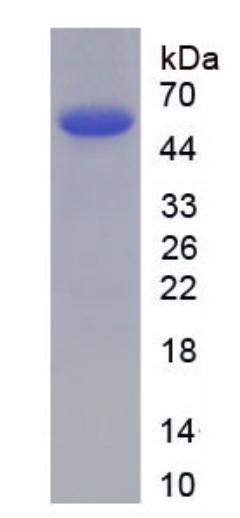
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	less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Ctsa cathepsin A [Rattus norvegicus (Norway rat)]
Official Symbol	Ctsa
Synonyms	CTSA; cathepsin A; lysosomal protective protein; protective protein for beta-galactosidase; Ppgb;
Gene ID	296370
mRNA Refseq	NM_001011959
Protein Refseq	NP_001011959

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