

Recombinant Pig CTSA Protein, His-tagged

Cat. No. CTSA-876P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig CTSA Protein (Ala44-Tyr493) with His tag was expressed in CHO.
Species	Pig
Source	CHO
ProteinLength	Ala44-Tyr493
Description	This gene encodes a member of the peptidase S10 family of serine carboxypeptidases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate two chains that comprise the heterodimeric active enzyme. This enzyme possesses deamidase, esterase and carboxypeptidase activities and acts as a scaffold in the lysosomal multienzyme complex. Mutations in this gene are associated with galactosialidosis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 52.7 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

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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.

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 [*Sus scrofa* (pig)]

Official Symbol

CTSA

Synonyms

CTSA; cathepsin A; lysosomal protective protein;

Gene ID

100156798

mRNA Refseq

NM_001243629

Protein Refseq

NP_001230558

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