

Recombinant Rat Ctsh Protein, His-tagged

Cat. No. Ctsh-1292R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ctsh Protein (Ala21-Val333) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ala21-Val333
Description	Enables aminopeptidase activity; kininogen binding activity; and protein self-association. Involved in several processes, including cellular response to thyroid hormone stimulus; response to odorant; and spermatogenesis. Located in several cellular components, including cytoskeleton; lysosome; and secretory granule. Biomarker of polycystic kidney disease. Orthologous to human CTSH (cathepsin H).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.8 kDa Accurate Molecular Mass: 39 kDa
Purity	> 90%
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 PBS or others.

GENE INFORMATION

Gene Name

Ctsh cathepsin H [*Rattus norvegicus* (Norway rat)]

Official Symbol

Ctsh

Synonyms

CTSH; cathepsin H; pro-cathepsin H; cathepsin B3; cathepsin BA;

Gene ID

25425

mRNA Refseq

NM_012939

Protein Refseq

NP_037071

UniProt ID

P00786

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