

Recombinant Rat Ctss Protein, His-tagged

Cat. No. Ctss-1293R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ctss Protein (Leu113-Ile330) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Leu113-Ile330
Description	Enables cysteine-type peptidase activity. Involved in bone resorption; metanephros development; and regulation of sensory perception of pain. Located in cell surface. Biomarker of intracranial aneurysm. Human ortholog(s) of this gene implicated in neuropathy. Orthologous to human CTSS (cathepsin S).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.6 kDa
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 PBS or others.

GENE INFORMATION**Gene Name**

Ctss cathepsin S [*Rattus norvegicus* (Norway rat)]

Official Symbol

Ctss

Synonyms

Ctss; cathepsin S

Gene ID

50654

mRNA Refseq

NM_017320

Protein Refseq

NP_059016

UniProt ID

Q02765

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