

Recombinant Rat Ctsw Protein, His&GST-tagged

Cat. No. Ctsw-1294R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ctsw Protein (Asp22-Pro371) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Asp22-Pro371
Description	Predicted to enable cysteine-type endopeptidase activity. Predicted to be involved in proteolysis involved in cellular protein catabolic process. Predicted to be active in extracellular space and lysosome. Orthologous to human CTSW (cathepsin W).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 66.9 kDa Accurate Molecular Mass: 70 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 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

 Tel: 1-631-559-9269 1-516-512-3133

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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

Ctsw cathepsin W [*Rattus norvegicus* (Norway rat)]

Official Symbol

Ctsw

Synonyms

CTSW; cathepsin W; MGC112764;

Gene ID

293676

mRNA Refseq

NM_001024242

Protein Refseq

NP_001019413

UniProt ID

Q561Q9

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