

## Recombinant Rat Ctse Protein, His-tagged

**Cat. No.** Ctse-1150R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant rat Ctse (AAH62002.1) (Met1-Pro398) was expressed with a polyhistidine tag at the C-terminus.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-398 a.a.
<b>Predicted N Terminal</b>	Val 22
<b>Form</b>	Lyophilized from sterile 12.5 mM MES, 75 mM NaCl, 50 % glycerol, pH 6.5, 5%~8% trehalose and mannitol.
<b>Molecular Mass</b>	The recombinant rat Ctse consists 388 amino acids and predicts a molecular mass of 42.1 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>90 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** Ctse cathepsin E [ Rattus norvegicus ]

**Official Symbol** Ctse

**Synonyms** CTSE; cathepsin E; CEA; CEB; Ctsea;

**Gene ID** 25424

**mRNA Refseq** NM\_012938

**Protein Refseq** NP\_037070

**MIM**

**UniProt ID**

**Pathway** Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;

**Function** aspartic-type endopeptidase activity; aspartic-type endopeptidase activity; peptidase activity; protein homodimerization activity; protein homodimerization activity;

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