

Recombinant Rat Ctse Protein, His-tagged

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

SPECIFICATION

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