Active Recombinant Rat Ctsb protein, His-tagged

Cat. No. Ctsb-1121R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ctsb protein(NP_072119.2) (Met1-Phe339) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-339 aa
Form	Lyophilized from sterile 25 mM Tris, 150 mM NaCl, pH 7.5.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Z-LR-AMC. The specific activity is >2,500 pmol/min/μg.
Molecular Mass	The recombinant rat Ctsb consists 333 amino acids and predicts a molecular mass of 37.1 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Ctsb cathepsin B [Rattus norvegicus]
Official Symbol	Ctsb
Synonyms	CTSB; cathepsin B; RSG-2; cathepsin B1;
Gene ID	64529
mRNA Refseq	NM_022597
Protein Refseq	NP_072119

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