

Active Recombinant Mouse Ctsb protein, His-tagged

Cat. No. Ctsb-415M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ctsb(Met 1-Phe 339) fused with His tag at C-terminal was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met 1-Phe 339
Predicted N Terminal	His 18
Form	Lyophilized from sterile PBS, pH 7.41. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.2. Please contact us for any concerns or special requirements.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Z-LR-AMC. The specific activity is >2,000 pmoles/min/μg.
Molecular Mass	The secreted recombinant mouse CTSB (pro form) consists of 333 amino acids and has a predicted molecular mass of 36.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm CTSB is approximately 35-43 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Ctsb cathepsin B [Mus musculus]
Official Symbol	Ctsb
Synonyms	CTSB; cathepsin B; cathepsin B1; CB;
Gene ID	13030
mRNA Refseq	NM_007798
Protein Refseq	NP_031824
MIM	

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	
Chromosome Location	14 D1; 14 33.24 cM
Pathway	Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; thyroid hormone biosynthesis, conserved biosystem;
Function	cysteine-type endopeptidase activity; cysteine-type peptidase activity; endopeptidase activity; hydrolase activity; kininogen binding; peptidase activity; peptide binding; protein complex binding; protein self-association;

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA