

Active Recombinant Human CTSZ Protein, His-tagged

Cat. No. CTSZ-191H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CTSZ Protein(Q9UBR2) (Met 1-Val 303) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-303 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPPGFSAFK (Dnp)-OH. The specific activity is >800 pmoles/min/μg.
Molecular Mass	The secreted recombinant human CTSZ (pro form) consists of 291 amino acids and has a predicted molecular mass of 33 kDa. The apparent molecular mass of rhCTSZ is approximately 40 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

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 CTSZ cathepsin Z [Homo sapiens]

Official Symbol CTSZ

Synonyms

CTSZ; cathepsin Z; carboxypeptidase LB; cathepsin B2; cathepsin IV; cathepsin X; cathepsin Y; cathepsin Z1; CTSX; cysteine type carboxypeptidase; lysosomal carboxypeptidase B; cathepsin P; preprocathepsin P; cysteine-type carboxypeptidase; FLJ17088;

Gene ID 1522

mRNA Refseq NM_001336

Protein Refseq NP_001327

MIM 603169

UniProt ID Q9UBR2

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