

Recombinant Human CTSZ protein, His & T7-tagged

Cat. No. CTSZ-8185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSZ aa. (Gly24~Val303 (Accession # Q9UBR2)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly24~Val303
Description	The protein encoded by this gene is a lysosomal cysteine proteinase and member of the peptidase C1 family. It exhibits both carboxy-monopeptidase and carboxy-dipeptidase activities. The encoded protein has also been known as cathepsin X and cathepsin P. This gene is expressed ubiquitously in cancer cell lines and primary tumors and, like other members of this family, may be involved in tumorigenesis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.2kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.1.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CTSZ cathepsin Z [Homo sapiens (human)]
Official Symbol	CTSZ
Synonyms	CTSZ; cathepsin Z; CTSX; carboxypeptidase LB; cathepsin B2; cathepsin IV; cathepsin P; cathepsin X; cathepsin Y; cathepsin Z1; cysteine-type carboxypeptidase; lysosomal carboxypeptidase B; preprocathepsin P
Gene ID	1522
mRNA Refseq	NM_001336.3
Protein Refseq	NP_001327.2

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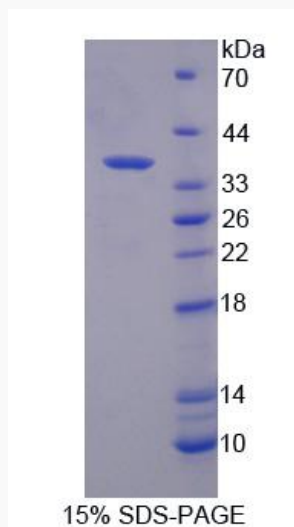
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UniProt ID

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SDS-PAGE

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