Recombinant Human CTSW protein, His & T7-tagged

Cat. No. CTSW-8183H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSW aa. (Ile22~Pro376 (Accession # P56202)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ile22~Pro376
Description	The protein encoded by this gene, a member of the peptidase C1 family, is a cysteine proteinase that may have a specific function in the mechanism or regulation of T-cell cytolytic activity. The encoded protein is found associated with the membrane inside the endoplasmic reticulum of natural killer and cytotoxic T-cells. Expression of this gene is up-regulated by interleukin-2.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.8kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 7.2.

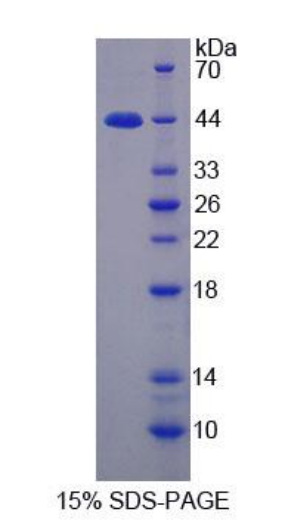
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious 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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	CTSW cathepsin W [Homo sapiens (human)]
Official Symbol	CTSW
Synonyms	CTSW; cathepsin W; LYPN; lymphopain
Gene ID	1521
mRNA Refseq	NM_001335.3
Protein Refseq	NP_001326.2

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UniProt ID	P56202
SDS-PAGE	 15% SDS-PAGE

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