

Recombinant Human cathepsin W, His-tagged

Cat. No. CTSW-404H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CTSW, 22-376aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	22-376 a.a.
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. Recombinant human CTSW protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	42 kDa (378aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSIRGPLRA QDLGPQPLEL KEAFKLFQIQ FNRSYLSPEE HAHRLDIFAH NLAQAQRLQE EDLGTAIEFGV TPFSDLTEEE FGQLYGYRRA AGGVPSMGRE IRSEEPEESV PFSCDWRKVA GAISPIKDQK NCNCCWAMAA AGNIETLWRI SFWDFVDVSV QELLDCGRCG DGCHGGFVWD AFITVLNNSG LASEKDYPFQ GKVRAHRCHP KKYQKVAWIQ DFIMLQNNEH RIAQYLATYG PITVTINMKP LQLYRKGVIK ATPTTCDPQL VDHSVLLVGF

 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

GSVKSEEGIW AETVSSQSQP QPPHPTPYWI LKNSWGAQWG EKG YFRLHRG
SNTCGITKFP LTARVQKPDM KPRVSCPP

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name CTSW cathepsin W [Homo sapiens]

Official Symbol CTSW

Synonyms CTSW; cathepsin W; cathepsin W (lymphopain); lymphopain; LYPN;

Gene ID 1521

mRNA Refseq NM_001335

Protein Refseq NP_001326

MIM 602364

UniProt ID P56202

Chromosome Location 11q13.1

Pathway Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;

 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



Function

cysteine-type endopeptidase activity; cysteine-type peptidase activity; peptidase activity;

 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