

## 32-2237: CTSW Recombinant Protein

**Alternative Name :** Cathepsin W (Lymphopain),LYPN,lymphopain,EC 3.4.22.-.

### Description

Source : Escherichia Coli. CTSW Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 378 amino acids (22-376) and having a molecular mass of 42.0 kDa. CTSW is fused to a 23 amino acid His-tag at N-terminus. CTSW protein belongs to the peptidase C1 family. CTSW is a cysteine proteinase with a detailed role in the regulation and mechanism of T-cell cytolytic activity. The encoded CTSW is linked to the membrane inside the endoplasmic reticulum of natural killer and cytotoxic T-cells. CTSW expression is up-regulated by interleukin-2.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 85% as determined by SDS-PAGE.
<b>Content :</b>	The CTSW solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSIRGPLRA QDLGPQPLEL KEAFKLFQIQ FNRSYLSPEE HAHRLDIFAH NLAQAQRLQE EDLGTAEFGV TPFSDLTEEE FGQLYGYRRA AGGVPSMGRE IRSEEPESV PFSCDWRKVA GAISPIKDQK NCNCCWAMAA AGNIETLWRI SFWDFVDVSV QELLDCGRCG DGCHGGFVWD AFITVLNNSG LASEKDYPFQ GKVRAHRCHP KKYQKVAWIQ DFIMLQNEH RIAQYLATYG PITVTINMKP LQLYRKGVIK ATPTTCDPQL VDHSVLLVGF GSVKSEEGIW AETVSSQSQP QPPHPTPYWI LKNSWGAQWG EKGYFRLHRG SNTCGITKFP LTARVQKPD M KPRVSCPP.