

**CTSW, 22-376aa, Human, His tag, E.coli**

**Cat.NO.: TP01784**

3th Edition

**Synonyms:**LYPN

**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 Weight:**42 kDa (378aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSIRGPLRAQDLGPQPLELKEAFKLFQIQFNRSYLSPEEHAHRLDIFAHNLAQAQ  
RLQEEDLGTAIEFGVTPFSDLTEEEFGQLYGYRRAAGGVPSMGREIRSEEPEESVPFSCDWRKVAGAIPIKDQKN  
CNCCWAMAAAGNIETLWRISFWDFVDVSVQELLDCGRCDGCHGGFVWDAFITVLNNSGLASEKDYPFQGVRA  
HRCHPKKYQKVAWIQDFIMLQNEHRIAQYLATYGPITVTINMKPLQLYRKGVIKATPTTCDPQLVDHSVLLVGFGSV  
KSEGIWAETVSSQSQPQPPHPTPYWILKNSWGAQWGEKGYFRLHRGSNTCGITKFLPTARVQKPDMPRVSCP  
P

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

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