

# Recombinant human Cathepsin F protein

Catalog Number: ATGP2259

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

271-484aa

**UniProt No.**

Q9UBX1

**NCBI Accession No.**

NP\_003784

**Alternative Names**

CTSF, Cathepsin F, CATSF, CLN13

## PRODUCT SPECIFICATION

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**Molecular Weight**

26 kDa (237aa)

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

**Purity**

&gt; 90% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE, Denatured

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**Description**

Cathepsin F, also known as CTSF, belongs to the cathepsin family. Cathepsins are papain family cysteine proteinases that represent a major component of the lysosomal proteolytic system. The CTSF gene is ubiquitously expressed, and it maps to chromosome 11q13, close to the gene encoding cathepsin W. CTSF is thought to play a role in normal protein catabolism, and because it is highly expressed in some cancer cell lines, it may be involved in degradative processes occurring during tumor progression. Recombinant human CTSF protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

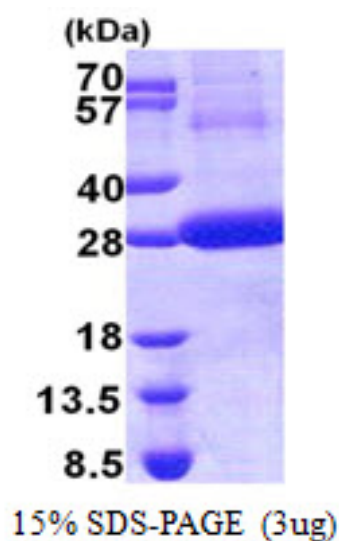
MGSSHHHHHH SSGLVPRGSH MGSAPPEWDW RSKGAVTKVK DQGMCGSCWA FSVTGNVEGQ WFLNQGTLSS  
LSEQELDCD KMDKACMGGL PSNAYSIAKN LGGLETEDDY SYQGHMQSCN FSAEKAKVYI NDSVELSQNE QKLAAWLAKR  
GPISVAINAF GMQFYRHGIS RPLRPLCSPW LIDHAVLLVG YGNRSDVPFW AIKNSWGTDW GEKGYYYLHR GSGACGVNTM  
ASSAVVD

## General References

Turk B., et al. (1997) Biol Chem. 378:141-150.  
Wang B., et al. (1998) J Biol. 273:32000-32008.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.