

# Recombinant human UFSP1 protein

Catalog Number: ATGP1856

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-142aa

### UniProt No.

Q6NVU6

### NCBI Accession No.

NP\_001015072

### Alternative Names

Inactive ufm1-specific protease 1, uFSP

## PRODUCT SPECIFICATION

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### Molecular Weight

17.4 kDa (165aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.5) containing 0.2M NaCl, 30% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### 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

uFSP1 is similar to other ufm1-specific proteases. Studies in mouse determined that ufsp1 releases ufm1 (ubiquitin-fold modifier 1) from its bound conjugated complexes which also makes it into an active form. Because the human uFSP1 protein is shorter on the N-terminus and lacks a conserved Cys active site, it is predicted to be non-functional. Recombinant human uFSP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGS>MGDKPPG FRGSRDWIGC VEASLCLAHF GGPQGRLCHV PRGVGLHGEL  
ERLYSHFAGG GGPVMVGGDA DARSKALLGV CVGSGTEAYV LVLDPHYWGT PKSPSELQAA GWVGWQEVSA  
AFDPNSFYNL CLTSLSSQQQ QRTLD

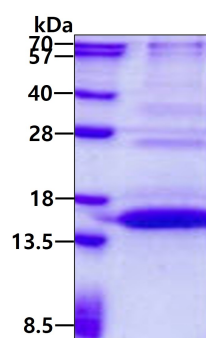
## General References

Wilson MD, Riemer C, et al. (2001). Nucleic Acids Res. 29(6):1352-65

## DATA

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### SDS-PAGE



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