

# Recombinant human Ufc1 protein

Catalog Number: ATGP1063

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-167aa

### UniProt No.

Q9Y3C8

### NCBI Accession No.

NP\_057490

### Alternative Names

ubiquitin-fold modifier-conjugating enzyme 1, HSPC155

## PRODUCT SPECIFICATION

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### Molecular Weight

21.6 kDa (187aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 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

uFC1 is an E2-like conjugating enzyme for ubiquitin-fold modifier-1. uFM1 is activated by a novel E1-like enzyme, uBA5, by forming a high-energy thioester bond. Activated uFM1 is then transferred to its cognate E2-like enzyme, uFC1, in a similar thioester linkage. Recombinant human uFC1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MADEATRRV SEIPVLKTNA GPRDRELWVQ RLKEEYQSLI RYVENNKDAD

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NDWFRLESNK EGTRWFGKCW YIHDLLKYEF DIEFDIPITY PTTAPEIAVP ELDGKTAKMY RGGKICLTDH FKPLWARNVP  
KFGLAHLMAL GLGPWLAVEI PDLIQGVIQ HKEKCNQ

## General References

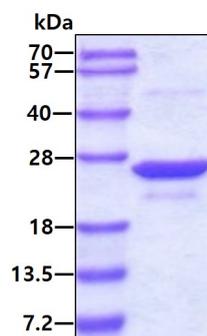
Komatsu M. et al. (2004) EMBO J. 23 :1977-1986.

Tatsumi K. et al. (2010) J Biol Chem. 285:5417-5427.

## DATA

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### SDS-PAGE



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