

Recombinant Human Ubiquitin-Fold Modifier Conjugating Enzyme 1, His-tagged

Cat. No. UFC1-3534H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human UFC1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (72-251aa).
Species	Human
Source	E.coli
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl,1mM DTT
Molecular Mass	21.6 kDa (187aa), confirmed by MALDI-TOF
Purity	> 90% by SDS-PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MADEATRRV SEIPVLKTNA GPRDRELWVQ RLKEEYQSLI RYVENNKNAD NDWFRLESNK EGTRWFGKCW YIHDLLKYEY DIEFDIPITY PTTAPEIAVP ELDGKTAKMY RGGKICLTDH FKPLWARNVP KFGLAHLMAL GLGPWLAVEI PDLIQKGVQ HKEKCNQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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.

GENE INFORMATION
Gene Name

UFC1 ubiquitin-fold modifier conjugating enzyme 1 [Homo sapiens]

Synonyms

UFC1; ubiquitin-fold modifier conjugating enzyme 1; HSPC155; Ufm1-conjugating enzyme1; ubiquitin-fold modifier-conjugating enzyme 1; CGI-126; Ubiquitin-fold modifier-conjugating enzyme 1

Gene ID

51506

MIM

610554

mRNA Refseq

NM_016406

Protein Refseq

NP_057490

UniProt ID

Q9Y3C8

**Chromosome
Location**

1q23.3

Function

UFM1 conjugating enzyme activity; protein bindingTitle: Methionine sulfoxide reductases protect Ffh from oxidative damages in Escherichia coli.

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