

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 MADEATRRVV SEIPVLKTNA GPRDRELWVQ RLKEEYQSLI RYVENNKNAD NDWFRLESNK EGTRWFGKCW YIHDLLKYEF DIEFDIPITY PTTAPEIAVP ELDGKTAKMY RGGKICLTDH FKPLWARNVP KFGLAHLMAL GLGPWLAVEI PDLIQKGVVQ HKEKCNQ

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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 binding
Title: Methionine sulfoxide reductases protect Ffh from oxidative damages in Escherichia coli.

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