

Product information

UFC1, 1-167aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1063

Full name: Ubiquitin-fold modifier-conjugating enzyme 1

NCBI Accession No.: NP_057490

Synonyms: HSPC155

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.

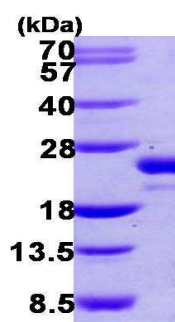
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

0.1M NaCl, 1mM DTT

Molecular Weight: 21.6 kDa (187aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MADEATTRVV SEIPVLKTNV GPRDRELWVQ RLKEEYQSLI RYVENNKDAD NDWFRLESNK EGTRWFGKCW
YIHDLKYEY DIEFDIPITY PTTAPEIAMP ELDGKTAKMY RGGKICLTDH FKPLWARNVV KFGLAHLMAL GLGPWLAVEI PDLIQKGVVQ
HKEKCNQ

General references:

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

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

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.