

UFC1, 1-167aa, Human, His tag, E.coli

Cat.NO.: TP04416

3th Edition

Synonyms:Ubiquitin-fold modifier-conjugating enzyme 1, 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

Sequences:

MGSSHHHHHSSGLVPRGSHMADEATTRVSEIPVLKTNAGPRDRELWVQRLKEEYQSLIRYVENNKNADNDWF
RLESNKEGTRWFGKWCWYIHDLLKYEFDIEFDIPITYPTTAPETIAVPELDGKTAKMYRGGKICLTDHFKPLWARNVPKF
GLAHLMALGLGPWLAVEIPDLIQKGVIQHKEKCNQ

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.