

**UFM1, 1-83aa, Human, His tag, E.coli**

**Cat.NO.: TP04418**

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3th Edition

**Synonyms:**Ubiquitin-fold modifier 1, bA131P10.1, BM-002, C13orf20

**Description:**UFM1 is a ubiquitin-like protein that is conjugated to target proteins by E1-like activating enzyme UBA5 and E2-like conjugating enzyme UFC1 in a manner analogous to ubiquitylation. It localizes primarily to the nucleus, but is also present in diffuse amounts in the cytoplasm. This protein is expressed in a variety of tissues, including kidney, brain, heart, liver and lung. Recombinant human UFM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris buffer(pH 8.0) containing 10% glycerol.

**Molecular Weight:**11.1 kDa (103aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSKVSFKITLTSDPRLPYKVLSPVESTPFTAVLKFAAEFEKVPAAITNDGIGIN  
PAQTAGNVFLKHGSELRIIPRDRVG

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by BCA 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.