

**UFD1L, 1-307aa, Human, His tag, E.coli**

**Cat.NO.: TP04417**

3th Edition

**Synonyms:**Ubiquitin fusion degradation protein 1 homolog isoform A, UFD1

**Description:**UFD1L forms a complex with two other proteins, nuclear protein localization-4 and valosin-containing protein, and this complex is necessary for the degradation of ubiquitinated proteins. In addition, this complex controls the disassembly of the mitotic spindle and the formation of a closed nuclear envelope after mitosis. Mutations in this gene have been associated with Catch 22 syndrome as well as cardiac and craniofacial defects. Alternative splicing results in multiple transcript variants encoding different isoforms. A related pseudogene has been identified on chromosome 18. Recombinant human UFD1L 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-HCl buffer (pH 8.0) containing 0.1M NaCl, 30% glycerol, 1mM DTT

**Molecular Weight:**36.9 kDa (330aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMFSFNMFDHPIPRVFNRFSTQYRCFSVSMLAGPNDRSDVEKGGKIIMPPS  
ALDQLSRLNITYPMLFKLTNKNSDRMTHCGVLEFVADEGICYLPHWMMQNLLLEEGGLVQVESVNLQVATYSKFQP  
QSPDFLDITNPKAVLENALRNFACLTTGDVIAINYNEKIYELRVMETKPKAVSIIEDMNVDFDAPLGYKEPERQVQ  
HEESTEAGEADHSGYAGELGFRAFSGSGNRLDGKKKGVESPSPSPIKPGDIKRGIPNYEFKLGKITFIRNSRPLVKKVE  
EDEAGGRFVAFSGEGQSLRKKGRKP

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/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.