

Recombinant Human UFD1L, His-tagged

Cat. No. UFD1L-15885H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human UFD1L protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-307aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 30% glycerol, 1mM DTT
Molecular Mass	36.9 kDa (330aa), confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMFSFNMF DHPIPRVFQN RFSTQYRCFS VSMLAGPNDR SDVEKGGKII MPSPALDQLS RLNITYPMLF KLTNKNSDRM

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THCGVLEFVA DEGICYLPHW MMQNLLLEEG GLVQVESVNL QVATYSKFQP
 QSPDFLDITN PKAVLENALR NFACLTGTDV IAINYNEKIY ELRVMETKPD
 KAVSIIIECDM NVDFDAPLGY KEPERQVQHE ESTEGEADHS GYAGELGFRA
 FSGSGNRLDG KKKGVEPSPS PIKPGDIKRG IPNYEFKLGK ITFIRNSRPL
 VKKVEEDEAG GRFVAFSGEG QSLRKKGRKP

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name UFD1L ubiquitin fusion degradation 1 like (yeast) [Homo sapiens]

Official Symbol UFD1L

Synonyms UFD1L; ubiquitin fusion degradation 1 like (yeast); ubiquitin fusion degradation 1 like; ubiquitin fusion degradation protein 1 homolog; UFD1; UB fusion protein 1;

Gene ID 7353

mRNA Refseq NM_005659

Protein Refseq NP_005650

MIM 601754

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UniProt ID	Q92890
Chromosome Location	22q11.2
Pathway	HRD1/SEL1 ERAD complex, organism-specific biosystem; HRD1/SEL1 ERAD complex, conserved biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem; p97-Ufd1-Npl4 complex, organism-specific biosystem;
Function	protein binding; ubiquitin-specific protease activity;

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