

Recombinant human UFD1L protein

Catalog Number: ATGP2241

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-307aa

UniProt No.

Q92890

NCBI Accession No.

NP_005650

Alternative Names

ubiquitin fusion degradation protein 1 homolog isoform A, UFD1

PRODUCT SPECIFICATION

Molecular Weight

36.9 kDa (330aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 30% glycerol, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MFSFNMF DHPIPRVFQN RFSTQYRCFS VSMLAGPNDR SDVEKGGKII
MPPSALDQLS RLNITYPMLF KLTNKNSDRM THCGVLEFVA DEGICYLPHW MMQNLLLEEG GLVQVESVNL QVATYSKFQP
QSPDFLDITN PKAVLENALR NFACLTTGDV IAINYNEKIY ELRVMETKPD KAVSIIECDM NVDFDAPLGY KEPERQVQHE
ESTEGEADHS GYAGELGFRA FSGSGNRLDG KKKGVPESPS PIKPGDIKRG IPNYEFKLGK ITFIRNSRPL VKKVEEDEAG
GRFVAFSGEG QSLRKKGRKP

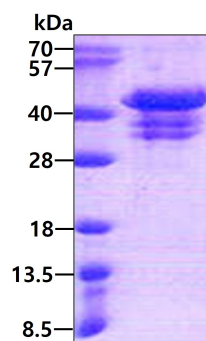
General References

Hass A L., et al. (1997) FASEB. 11:1257-1268

Novelli G., et al. (1998) Biochim Biophys Acta. 1396:158-162.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.