

# Recombinant human UBQLN2 protein

Catalog Number: ATGP3163

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-624aa

### UniProt No.

Q9UHD9

### NCBI Accession No.

NP\_038472

### Alternative Names

Ubiquilin-2, ALS15, CHAP1, DSK2, HRIHFB2157, N4BP4, PLIC2

## PRODUCT SPECIFICATION

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### Molecular Weight

68.1 kDa (647aa)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

### Purity

> 90% 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

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### Description

UBQLN2 also known as ubiquilin-2. Ubiquilins contain an N-terminal ubiquitin-like domain and a C-terminal ubiquitin-associated domain. They physically associate with both proteasomes and ubiquitin ligases, and are thus thought to functionally link the ubiquitination machinery to the proteasome to effect in vivo protein degradation. Recombinant human UBQLN2, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

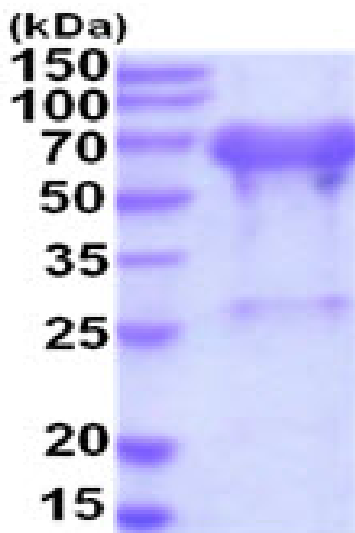
MGSSHHHHHH SSSLVPRGSH MGSMANGES SGPPRPSRGP AAAQGSAAAP AEPKIIKVTV KTPKEKEEFA VPENSSVQQF  
KEAISKRFKS QTDQLVLIFA GKILKDQDTL IQHGIHDGLT VHLVIKSQNR PQGSTQPSN AAGTNTTSAS TPRSNTSTPIS  
TNSNPFGLGS LGGLAGLSSL GLSSTNFSEL QSQMQQQLMA SPEMMIQIME NPFVQSMLSN PDLMRQLIMA NPQMQLIQR  
NPEISHLNND PDIMRQTLEI ARNPAMMQEM MRNQDLALSN LESIPGGYNA LRRMYTDIQE PMLNAAEQEF GGNPFASVGS  
SSSSGEGTQP SRTENRDPLP NPWAPPPATQ SSATTSTTTS TGSGSGNSSS NATGNTVAAA NYVASIFSTP GMQSLLQKIT  
ENPQLIQNML SAPYMRSMQ SLSQNPDLAA QMMLNSPLFT ANPQLQEQMR PQLPAFLQQM QNPDTLSAMS  
NPRAMQALMQ IQQGLQTLAT EAPGLIPSFT PGVGVGVLT AIGPVGVPVTP IGPIGPIVFP TPIGPIGPIG PTGPAAPPGS  
TGSGGPTGPT VSSAAPSETT SPTSESGPNQ QFIQQMVQAL AGANAPQLPN PEVRFQQLE QLNAMGFLNR EANLQALIAT  
GGDINAAIER LLGSQPS

## General References

Kaye F.J., et al. (2000) FEBS Lett. 467(2-3):348-55.  
Kleijnen M.F., et al. (2000) Mol Cell. 6(2):409-419.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)