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## Recombinant human UBXN2B protein

Catalog Number: ATGP2155

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-331aa

#### UniProt No.

014CS0

#### **NCBI Accession No.**

NP 001071087

#### **Alternative Names**

uBX domain-containing protein 2B, p37

## PRODUCT SPECIFICATION

## **Molecular Weight**

39.5 kDa (354aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

#### **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**

### **Description**

uBX domain-containing protein 2B, also known as uBXN2B, is a 331 amino acid protein that contains one uBX domain and one SEP domain. uBXN2B is required for ER and Golgi biogenesis and also plays a role in their maintenance during interphase, as well as their reassembly at the end of mitosis. Through interaction with VCP, uBXN2B forms a complex that has membrane fusion activity. Recombinant human uBXN2B protein, fused to Histag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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## **Amino acid Sequence**

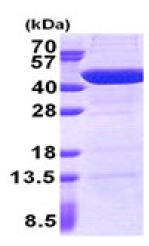
MGSSHHHHHH SSGLVPRGSH MGSMAEGGGP EPGEQERRSS GPRPPSARDL QLALAELYED EVKCKSSKSN RPKATVFKSP RTPPQRFYSS EHEYSGLNIV RPSTGKIVNE LFKEAREHGA VPLNEATRAS GDDKSKSFTG GGYRLGSSFC KRSEYIYGEN QLQDVQILLK LWSNGFSLDD GELRPYNEPT NAQFLESVKR GEIPLELQRL VHGGQVNLDM EDHQDQEYIK PRLRFKAFSG EGQKLGSLTP EIVSTPSSPE EEDKSILNAV VLIDDSVPTT KIQIRLADGS RLIQRFNSTH RILDVRNFIV QSRPEFAALD FILVTSFPNK ELTDESLTLL EADILNTVLL QQLK

#### **General References**

uchiyama K., et al. (2006) Dev Cell. 11:803-816. Tang D., et al. (2008) J Biol Chem. 283:6085-6094.

## **DATA**

## **SDS-PAGE**



15% SDS-PAGE (3ug)

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

