

Recombinant human Ubch5b/UBE2D2 protein

Catalog Number: ATGP1147

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-147aa

UniProt No.

P62837

NCBI Accession No.

NP_003330

Alternative Names

Ubiquitin-conjugating enzyme E2 D2, Ubiquitin carrier protein D2, Ubiquitin-conjugating enzyme E2(17)KB 2, Ubiquitin-conjugating enzyme E2-17 kDa 2, Ubiquitin-protein ligase D2, p53-regulated ubiquitin-conjugating enzyme 1, PUBC1, UBC4, UBC5B, UBCH4, UBCH5B

PRODUCT SPECIFICATION

Molecular Weight

18.9 kDa (167aa) 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, 1mM DTT, 0.1M NaCl.

Purity

> 95% 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

uBE2D2 is a member of the E2 ubiquitin-conjugating enzyme family. This enzyme functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. uBE2D2 catalyzes ubiquitination of I κ B-alpha in a phosphorylation and SCFB-TRCP dependent manner. Recombinant human uBE2D2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MALKRIHKEL NDLARDPPAQ CSAGPVGDDM FHWQATIMGP NDSFYQGGVF FLTIHFPTY
PFKPPKVAFT TRIYHPNINS NGSICLDILR SQWSPALTIS KVLISCSLL CDPNPDDPLV PEIARIYKTD REKYNRIARE WTQKYAM

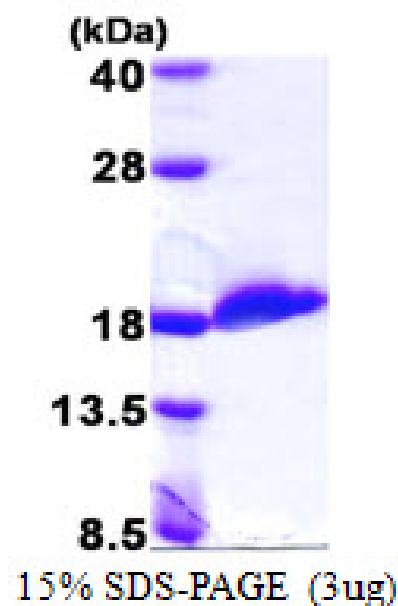
General References

Ciechanover A., et al. (1994) FASEB J. 8(2):182-19.

Orian A., et al. (1995) J Biol Chem. 270(37):21707-14.

DATA

SDS-PAGE



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