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 IkB-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



chromatography techniques.

Amino acid Sequence

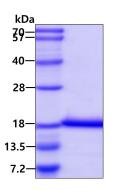
<MGSSHHHHHH SSGLVPRGSH> MALKRIHKEL NDLARDPPAQ CSAGPVGDDM FHWQATIMGP NDSPYQGGVF FLTIHFPTDY PFKPPKVAFT TRIYHPNINS NGSICLDILR SQWSPALTIS KVLLSICSLL CDPNPDDPLV PEIARIYKTD REKYNRIARE WTQKYAM

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.