Recombinant human Ubc2/UBE2B protein

Catalog Number: ATGP0569

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-152aa

UniProt No.
P63146

NCBI Accession No.
NP_003328

Alternative Names
Ubiquitin-conjugating enzyme E2 B, E2 ubiquitin-conjugating enzyme B, RAD6 homolog B, RAD6B HR6B, hHR6B, Ubiquitin carrier protein B, Ubiquitin-conjugating enzyme E2-17 kDa, Ubiquitin-protein ligase B, Ubc2

PRODUCT SPECIFICATION

Molecular Weight
21.4 kDa (188aa) 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, 0.1M NaCl

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
uBE2B, also known as ubiquitin-conjugating enzyme E2 B, belongs to E2 ubiquitin-conjugating enzyme family. This protein catalyzes the covalent attachment of ubiquitin to other proteins, and associates to the E3 ligase RAD18 to form the uBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164'. It is required for postreplication repair of uV-damaged DNA. It may be involved in neurite outgrowth. Recombinant human uBE2B protein, fused to His-tag at N-terminus, was expressed in E. coli and

purified by using conventional chromatography techniques.

Amino acid Sequence

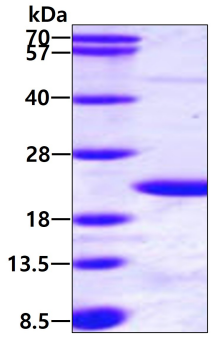
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>MSTP ARRRLMRDFK RLQEDPPVGV SGAPSENNIM QWNAVIFGPE GTPFEDGTFK LVIEFSEEYP NKPPTVRFLS KMFHPNVYAD GSICLDILQN RWSPTYDVSS ILTSIQSLLD EPNPNSPANS QAAQLYQENK REYEKRVSAI VEQSWNDS

General References

Koken MH. et al. (1996) Dev Biol. 173(1):119-32.
Xin H, et al. (2000) Nucleic Acids Res.. 28(14):2847-54

DATA

SDS-PAGE



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