

UBE2B, 1-152aa, Human, His tag, E.coli

Cat.NO.: TP04376

3th Edition

Synonyms:E2-17kDa, HHR6B, HR6B, RAD6B, UBC2, Ubiquitin-conjugating enzyme E2B hHR6B, RAD6 homolog B, Ubiquitin carrier protein B, Ubiquitin conjugating enzyme E2 B, Ubiquitin protein ligase B, Ubiquitin-conjugating enzyme E2 17 kDa.

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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl

Molecular Weight:21.4 kDa (188aa), confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMTSPARRRLMRDFKRLQEDPPVGVSGAPSENNIMQ
WNAVIFGPEGTPFEDGTFKLVIEFSEEYPNKPPTVRFLSKMFHPNVYADGSICLDILQNRWSPTYDVSSILTSIQSLL
DEPNPNSPANQAALYQENKREYEKRVSAIVEQSWNDS

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.