

UBE2E1, 1-193aa, Human, His tag, E.coli

Cat.NO.: TP04382

3th Edition

Synonyms: Ubiquitin-conjugating enzyme E2 E1 isoform 1, UBCH6

Description: The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. UBE2E1 is a member of the E2 ubiquitin-conjugating enzyme family. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. Recombinant human UBE2E1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol

Molecular Weight: 23.8 kDa (216aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMSSDDSRASTSSSSSSSNQQTEKETNTPKKKESKVSMSKNSKLLSTSAKR
IQKELADITLDPNCSAGPKGDNIYEWRSITLGGPGSVYEGGVFFLDITFTPEYPFKPKVTFRTRIIYHCNINSQGGVI
CLDILKDNWSPALTISKVLLSICSLLTDCNPADPLVGSATQYMTNRAEHRMARQWTKRYAT

Purity: > 95% by HPLC

Concentration: 1 mg/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.