

UBE2D4, 1-147aa, Human, His tag, E.coli

Cat.NO.: TP04381

3th Edition

Synonyms: Ubiquitin-conjugating enzyme E2 D4, UBCH5D, HBUCE1

Description: UBE2D4 belongs to the ubiquitin-conjugating enzyme family. Ubiquitin-conjugating enzymes, also known as E2 enzymes and more rarely as ubiquitin-carrier enzymes, perform the second step in the ubiquitination reaction that targets a protein for degradation via the proteasome. UBE2D4 accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys-11' and 'Lys-48'-linked polyubiquitination. Recombinant human UBE2D4 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 2mM DTT, 10% glycerol, 100mM NaCl

Molecular Weight: 18.8kDa (167aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMALKRIQKELTDLQRDPPAQCSAGPVGDDLFHWQATIMGPNDSPYQGGVFFLTI
HFPTDYPFKPPKVAFTTKIYHPNINSNGSICLDILRSQWSPALTVSKVLLSICLLCDPNPDDPLVPEIAHTYKADREK
YNRLAREWTQKYAM

Purity: > 95% by HPLC

Concentration: 1mg/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.