

Recombinant Human Ubiquitin-Conjugating Enzyme E2D 4 (putative), His-tagged

Cat. No. UBE2D4-2494H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human UBE2D4 protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques. MW: 18.8 kDa.
Species	Human
Source	<i>E. coli</i>
ProteinLength	1-147aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl.
Molecular Mass	18.8kDa (167aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MALKRIQKEL TDLQRDPPAQ CSAGPVGDDL FHWQATIMGP NDSPYQGGVF FLTIHFPTY PFKPPKVAFTTKIYHPNINS NGSICLDILR SQWSPALTVS KVLLSICSL CDPNPDDPLV PEIAHTYKAD

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	REKYNRLARE WTQKYAM
Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	UBE2D4 ubiquitin-conjugating enzyme E2D 4 (putative) [Homo sapiens]
Official Symbol	UBE2D4
Synonyms	UBE2D4; ubiquitin-conjugating enzyme E2D 4 (putative); ubiquitin-conjugating enzyme E2 D4; HBUCE1; ubiquitin-protein ligase D4; ubiquitin carrier protein D4; ubiquitin-conjugating enzyme HBUCE1; FLJ32004;
Gene ID	51619
mRNA Refseq	NM_015983
Protein Refseq	NP_057067
UniProt ID	Q9Y2X8
Chromosome Location	7p13

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Pathway

Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem;

Function

ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; protein binding; ubiquitin-protein ligase activity;

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