

Recombinant Human UBE2Q2, His-tagged

Cat. No. UBE2Q2-101H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human UBE2Q2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	UBE2Q2 also known as Ubiquitin-conjugating enzyme E2 Q2 isoform1. UBE2Q2 Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes Lys-48-linked polyubiquitination. This protein detected in hypopharyngeal head and neck squamous cell carcinoma, in tumor masses and invasive epithelium. It belongs to the ubiquitin-conjugating enzyme family.
Form	Liquid. In Phosphate Buffer Saline (pH7.4) containing 30% glycerol, 1mM DTT
Molecular Mass	45.2kDa (398aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMVSGLK AELKFLASIF DKNHERFRIV SWKLDLHCQ FLVPQQGSPH SLPPPLTLHC NITESYPSSS PIWFVDSERP NLTSVLERLE DTKNNLLRQ QLKWLICELC SLYNLPKHL D VEMLDQPLPT GQNGTTEEV T S EEEEEEEEM AEDIEDLDHY EMKEEEPISG KKSEDEGIEK ENLAILEKIR KTQRQDHLNG AVSGSVQASD RLMKELRDIY RSQSYKTGIY SVELINDSLY DWHVKLQKVD PDSPLHSDLQ ILKEKEGIEY ILLNFSFKDN FPFDPPFVRV VLPVLSGGYV LGGGALCMEL LTKQGWSSAY SIESVIMQIN ATLVK GKARV QFGANKNQYN LARAQQSYNS IVQIHEKNGW YTPPKEDG

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Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	UBE2Q2 ubiquitin-conjugating enzyme E2Q family member 2 [Homo sapiens]
Official Symbol	UBE2Q2
Synonyms	UBE2Q2; ubiquitin-conjugating enzyme E2Q family member 2; ubiquitin conjugating enzyme E2Q (putative) 2; ubiquitin-conjugating enzyme E2 Q2; DKFZp762C143; ubiquitin-protein ligase Q2; ubiquitin carrier protein Q2;
Gene ID	92912
mRNA Refseq	NM_001145335
Protein Refseq	NP_001138807
MIM	612501
UniProt ID	Q8WVN8
Chromosome Location	15q24.2
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I

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MHC mediated antigen processing & presentation, organism-specific biosystem;
Immune System, organism-specific biosystem; Ubiquitin mediated proteolysis,
organism-specific biosystem;

Function

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

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