

Recombinant Human ubiquitin-conjugating enzyme E2R 2, His-tagged

Cat. No. UBE2R2-291H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UBE2R2, 1-238aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-238 a.a.
Description	UBE2R2 is a ubiquitous and pleiotropic Ser/Thr protein kinase involved in cell growth and transformation. This protein is a protein similar to the E2 ubiquitin conjugating enzyme UBC3/CDC34. Studies suggest that CK2-dependent phosphorylation of this ubiquitin-conjugating enzyme functions by regulating beta-TrCP substrate recognition and induces its interaction with beta-TrCP, enhancing beta-catenin degradation. Recombinant human UBE2R2 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, 1mM DTT
Molecular Mass	29.6kDa (261aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMACQQMT SSQKALMLEL KSLQEEPVEG FRITLVDESD LYNWEVAIFG PPNTLYEGGY FKAHIKFPID YPYSPTFRF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LTKMWHPNYIY ENGDVCISIL HPPVDDPQSG ELPSEWNPNT QNVRTILLSV
ISLLNEPNTF SPANVDASVM FRKWRDSKGK DKEYAEIIRK QVSATKAEAE
KDGKVKPTTL AEYCIKTKVP SNDNSSDLLY DDLYDDDIDD EDEEEEDADC
YDDDDSGNEE S

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 0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [UBE2R2 ubiquitin-conjugating enzyme E2R 2 \[Homo sapiens \]](#)

Official Symbol UBE2R2

Synonyms UBE2R2; ubiquitin-conjugating enzyme E2R 2; ubiquitin-conjugating enzyme E2 R2; CDC34B; FLJ20419; MGC10481; UBC3B; ubiquitin-protein ligase R2; ubiquitin carrier protein R2; ubiquitin-conjugating enzyme UBC3B; ubiquitin-conjugating enzyme E2-CDC34B; E2-CDC34B;

Gene ID [54926](#)

mRNA Refseq [NM_017811](#)

Protein Refseq [NP_060281](#)

MIM [612506](#)

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UniProt ID	Q712K3
Chromosome Location	9p11.2
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem;
Function	ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; ubiquitin-protein ligase activity;

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