

**UBE2R2, 1-238aa, Human, His tag, E.coli**

**Cat.NO.: TP04394**

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3th Edition

**Synonyms:**Ubiquitin-conjugating enzyme E2 R2, CDC34B, E2-CDC34B, UBC3B

**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 Weight:**29.6kDa (261aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMASMAQQMTSSQKALMLELKSLQEEPVEGFRITLVDES DLYNWEVAIFGPPNT  
LYEGGYFKAHIKFPIDYPYSPPTFRFLTKMWHPNYENG DVCISILHPPVDDPQSGELPSE RWNPTQNVRTILLSVISL  
LNEPNTFSPANVDASVMFRKWRDSKGGKDEYAEIIRKQVSATKAEAEKDGKVPPTTLAEYCIKTKVPSNDNSSDLLY  
DDL YDDIDDEDEEEEDADCYDDDDSGNEES

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/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.