

Datasheet for 009-001-U43S**UBE2R2 (UBC3B) protein-HIS Epitope****Overview**

Description:	UBE2R2(UBC3B) recombinant protein-HIS Epitope - 009-001-U43S
Item No.:	009-001-U43S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	UBE2R2 (UBC3B) or ubiquitin-conjugating enzyme E2R 2 encodes a protein similar to the E2 ubiquitin conjugating enzyme UBC3/CDC34. CK2-dependent phosphorylation of this ubiquitin-conjugating enzyme functions by regulating beta-TrCP substrate recognition and induces its interaction with beta-TrCP thereby enhancing beta-catenin degradation. CK2-dependent phosphorylation of CDC34 and UBC3B functions by regulating BTRC substrate recognition (1). UBE2R2 complements a yeast cdc34 temperature-sensitive mutant. Deletion and site-directed mutagenesis demonstrated that CK2 phosphorylated UBE2R2 in the C-terminal domain at serine-233; mutagenesis of the corresponding serine residue at position 231 of human CDC34/UBC3 showed that this was the major CK2-phosphorylation site in this protein. UBE2R2 Protein is ideal for investigators involved in Signaling Proteins, Ubiquitin Proteins, Cancer, Cell Cycle, and Neurobiology research.
Synonyms:	CDC34B, E2-CDC34B, UBC3B, Ubiquitin-conjugating enzyme E2 R2
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	UBE2R2
Purity/Specificity:	Recombinant human UBE2R2 (UBC3B) (2-end) was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >90% by densitometry.
Relevant Links:	• NCBI - NM_017811

Application Details

Application Note:	UBE2R2 Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. UBE2R2 Protein is suitable for use in Western Blot. Expect a band approximately ~32kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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