

Datasheet for 009-001-U42S**UBE2R1 protein-HIS Epitope****Overview**

Description:	UBE2R1 recombinant protein-HIS Epitope - 009-001-U42S
Item No.:	009-001-U42S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	UBE2R1 is a member of the ubiquitin-conjugating enzyme family which catalyzes the covalent attachment of ubiquitin to other proteins. UBE2R1 is a part of the large multiprotein complex which is required for ubiquitin-mediated degradation of cell cycle G1 regulators and for the initiation of DNA replication (1). CK2 can phosphorylate CDC34 and UBC3B at corresponding serine residue in the C terminus of each protein. Phosphorylated UBC3B and CDC34 binds specifically to the F-box protein beta-TRCP which results in enhanced degradation of beta-catenin, a substrate of BTRC. CK2-dependent phosphorylation of CDC34 and UBC3B functions by regulating BTRC substrate recognition (2). UBE2R1 Protein is ideal for investigators involved in Signaling Proteins, Ubiquitin Proteins, Cancer, Cell Cycle, and Neurobiology research.
Synonyms:	E2-CDC34, UBC3, UBCH3, CDC34, Ubiquitin-conjugating enzyme E2 R1, Ubiquitin-conjugating enzyme E2-32 kDa complementing, Ubiquitin-conjugating enzyme E2-CDC34
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	CDC34
Purity/Specificity:	Recombinant full length human UBE2R1 was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >75% by densitometry.
Relevant Links:	• NCBI - NM_004359

Application Details

Application Note:	UBE2R1 Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. UBE2R1 Protein is suitable for use in Western Blot. Expect a band approximately ~33kDa 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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