

## Datasheet for ABIN6699591 **CDC34 Protein (His tag)**



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### Overview

Quantity:	20 µg
Target:	CDC34
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDC34 protein is labelled with His tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	UBE2R1 recombinant protein-HIS Epitope
Purification:	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.
Purity:	>75%

### Target Details

Target:	CDC34
Alternative Name:	CDC34 ( <a href="#">CDC34 Products</a> )
Background:	Synonyms: E2-CDC34, UBC3, UBCH3, CDC34, Ubiquitin-conjugating enzyme E2 R1, Ubiquitin-conjugating enzyme E2-32 kDa complementing, Ubiquitin-conjugating enzyme E2-CDC34 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

## Target Details

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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.

NCBI Accession: [NM\\_004359](#)

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: UBE2R1 Protein is suitable for use in Western Blot. Expect a band approximately ~33 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.1 µg/µL

Buffer: UBE2R1 Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.

Storage: -80 °C

Storage Comment: 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.

Expiry Date: 12 months