10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human recombinant protein UBE2R1 (CDC34)

Human recombinant UBE2R1 (CDC34)
Catalog # PBV10668r

Specification

Human recombinant protein UBE2R1 (CDC34) - Product info

Primary Accession	P49427
Calculated MW	**27.730 kDa with His Tag. KDa**

Human recombinant protein UBE2R1 (CDC34) - Additional Info

Gene ID	**997**
Gene Symbol	**CDC34**

Other Names
Human recombinant UBE2R1 (CDC34), CDC-34, Ubiquitin-conjugating enzyme E2 R1, Ubiquitin-protein ligase R1, Ubiquitin-conjugating enzyme E2-32 kDa complementing, E2-CDC34, CDC34, EC 6.3.2.19, UBC3.

Gene Source	**Human**
Assay&Purity	**RP-HPLC; ≥95%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**

Format
Liquid

Storage
-80°C; 75 µL of a 40 µM solution (3 nmoles) in 50 mM Tris, pH 7.5, 150 mM NaCl, 10 mM DTT and 10% glycerol.

Human recombinant protein UBE2R1 (CDC34) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human recombinant protein UBE2R1 (CDC34) - Images

Human recombinant protein UBE2R1 (CDC34) - Background

UBE2R1 is important in the control of cell cycle and DNA replication. In association with different E3 complexes, including SCF, it has been shown to target many different substrates for ubiquitination and degradation during cell division, signal transduction, and development. UBE2R1 substrates

include B-Myb, Wee1, MyoD, ATF5, p27Xic1, and p27Kip1. Additionally, substrates such as p21Cip1, E2F, cyclin E, and cyclin D are putative substrates of UBE2R1 by virtue of their SCF requirement for proteolysis. This protein is useful for in vitro ubiquitinylation reactions.

Human recombinant protein UBE2R1 (CDC34) - References

Plon S.E.,et al.Proc. Natl. Acad. Sci. U.S.A. 90:10484-10488(1993).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Gonen H.,et al.J. Biol. Chem. 274:14823-14830(1999).