

---

## Product Data Sheet

---

Product Name: CDC34 Human  
 Cat. No.: GP21473  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	UB2R1; 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; UBE2R1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MARPLVPSSQ KALLELKGL QEEPVEGFRV TLVDEGDLYN WEVAIFGPPN TYYEGGYFKA RLKFPIDYPY SPPAFRFLTK MWHPNIYETG DVCISILHPP VDDPQSGELP SERWNPTQNV RTILLSVISL LNEPNTFSPA NVDASVMYRK WKESKGDRE YTDIIRKQVL GTKVDAERDG VKVPTTLAEY CVKTKAPAPD EGSDLFYDDY YEDGEVEVEEA DSCFGDDEDD SGTEES.		
Formulation	The CDC34 (1mg/ml) protein solution contains 20mM Tris-Hcl pH-8, 10% glycerol, 50mM NaCl and 1mM DTT.		

### Introduction

CDC34 is important in the control of cell cycle and DNA replication. Cdc34 in association with different E3 complexes, including SCF, has been shown to target many different substrates for ubiquitination and degradation during cell division, signal transduction, and development. Cdc34 substrates that have been characterized include I $\beta$ B, B-Myb, Wee1, MyoD, ICERII?, ATF5, p27Xic1, and p27Kip1. Additionally, substrates such as  $\beta$ -catenin, p21Cip1, E2F, cyclin E, and cyclin D are putative substrates of Cdc34 by virtue of their SCF requirement for proteolysis. Cdc34 has been demonstrated to self-associate through a domain in the C-terminus, and is phosphorylated and ubiquitinated in vivo. This protein is useful for in vitro ubiquitination reactions.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

CDC34 Human Recombinant protein fused to a 20 amino acid N-terminal His-Tag produced in E.Coli is a single, non-glycosylated polypeptide chain containing 256 amino acids (1-236 a.a.) and having a molecular mass of 28.9 kDa. The CDC34 is purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**