Recombinant human UBE2R1/CDC34 protein

Catalog Number: ATGP0710

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-236aa

UniProt No.
P49427

NCBI Accession No.
NP_004350

Alternative Names
Cell division cycle 34, Ubiqiutin conjugating enzyme, Ubiquitin-conjugating enzyme E2 R1, E2 ubiquitin-conjugating enzyme R1, Ubiquitin-conjugating enzyme E2-32 kDa complementing, Ubiquitin-conjugating enzyme E2-CDC34, Ubiquitin-protein ligase R1, E2-CDC34, UBE2R1, UBC3, UBCH3

PRODUCT SPECIFICATION

Molecular Weight
28.9 kDa (256aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 50mM NaCl

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
CDC34 is a member of the ubiquitin-conjugating enzyme family. ubiquitin-conjugating enzyme catalyzes the covalent attachment of ubiquitin to other proteins. This protein 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. CDC34 is thought to be the structural and functional homolog of Saccharomyces cerevisiae CDC34,

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which is essential for the G1 to S phase transition. Recombinant human CDC34 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

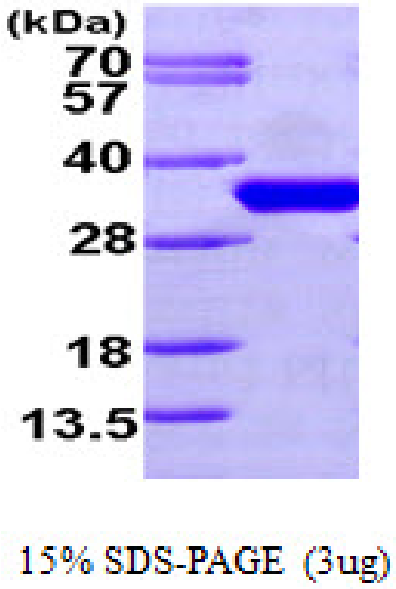
MGSSHHHHHH SSGLVPRGSH MARPLVPSSQ KALLLELKGL QEEPVEGFRV TLVDEGDLYN WEVAIFGPPN TYYEGGYFKA RLKFPIDYPY SPPAFRFLTK MWHPNIYETG DVCISILHPP VDDPQSGELP SERWNPTQNV RTILLSVISL LNEPNTFSPA NVDASVMYRK WKESKGKDRE YTDIIRKQVL GTKVDAERDG VKVPTTLAEY CVKTKAPAPD EGSDLFYDDY YEDGEVEEEA DSCFGDDEDD SGTEES

General References

Sadowski M., et al. (2007) Biochem. J. 405:569-581
Gazdoiu S., et al. (2005) Proc Natl Acad Sci u S A 102(42):15053-8.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.