

Recombinant Human CDC26, His-tagged

Cat. No. CDC26-3554H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanCDC26 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography.
Species	Human
Source	Human
Description	CDC26,also known as ANAPC12, APC12, belongs to the CDC26 family which orchestrates progressionthrough mitosis by decorating cell-cycle regulators with ubiquitin chains.This protein is component of the anaphase promoting complex/cyclosome (APC/C),a cell cycle-regulated E3 ubiquitin ligase that controls progression throughmitosis and the G1 phase of the cell cycle. The APC/C complex acts bymediating ubiquitination and subsequent degradation of target proteins.
Form	Liquid. 20mM Tris-HClbuffer (pH8.0) containing 40% glycerol, 0.1M NaCl.
Molecular Weight	11.9 kDa (105 aa), confirmed by MALDI-TOF.
Purity	> 90%by SDS - PAGE
Concentration	1 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHH SSGLVPRGSH MLRRKPTRLK LDDIEEFE NIRKDLETRK KQKEDVEVVG GSDGEGAIGL SSDPKSREQM INDRIGYKPQ PKPNNRSSQFGSLEF

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Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

CDC26 cell division cycle 26homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

CDC26

Synonyms

CDC26; cell division cycle 26 homolog (*S.cerevisiae*); APC12; ANAPC12; C9orf17; anaphase-promoting complex subunitCDC26; anaphase promoting complex subunit 12; anaphase-promoting complexsubunit 12; cell division cycle protein 26 homolog; CDC26 subunit of anaphasepromoting complex; OTTHUMP00000021952

Gene ID

246184

mRNA Refseq

NM_139286

Protein Refseq

NP_644815

UniProt ID

Q8NHZ8

Chromosome Location

9q32

Pathway

APC/C complex; APC/C-mediated degradationof cell cycle proteins; Adaptive Immune System; Antigen processing;Ubiquitination & Proteasome degradation; Cell Cycle; Class I MHC mediatedantigen processing & presentation; HTLV-I infection; Immune System;Mitotic Spindle Checkpoint; Oocyte meiosis; Phosphorylation of the APC/C;Progesterone-mediated oocyte maturation; Regulation of mitotic cell cycle;Ubiquitin mediated proteolysis

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Function

protein binding

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