

Recombinant Human CDC26, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human CDC26 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Species	Human
Source	Human
Description	CDC26, also known as ANAPC12, APC12, belongs to the CDC26 family which orchestrates progression through 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 through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins.
Form	Liquid. 20mM Tris-HCl buffer (pH 8.0) 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 amino acids	MGSSHHHHHH SSGLVPRGSH MLRRKPTRLELK LDDIEEFE NIRKDLETRK KQKEDVEVVG GSDGEGAIGL SSDPKSREQM INDRIGYKPKQ 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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