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	MGSSHHHHHH SSGLVPRGSH MLRRKPTRLELK 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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