

Recombinant Human ANAPC10, His-tagged

Cat. No. ANAPC10-9634H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANAPC10 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-185a.a.
Description	ANAPC10 is a core subunit of the anaphase-promoting complex (APC), or cyclosome, a ubiquitin protein ligase that is essential for progression through the cell cycle. APC initiates sister chromatid separation by ubiquitinating the anaphase inhibitor securin (PTTG1; MIM 604147) and triggers exit from mitosis by ubiquitinating cyclin B (CCNB1; MIM 123836), the activating subunit of cyclin-dependent kinase-1 (CDK1; MIM 116940) (summary by Wendt et al., 2001 [PubMed 11524682]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	ANAPC10 anaphase promoting complex subunit 10 [Homo sapiens]
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Official Symbol	ANAPC10
Synonyms	ANAPC10; anaphase promoting complex subunit 10; anaphase-promoting complex subunit 10; APC10; DKFZP564L0562; DOC1; cyclosome subunit 10; DKFZp564L0562;
Gene ID	10393
mRNA Refseq	NM_001256706
Protein Refseq	NP_001243635
MIM	613745
UniProt ID	Q9UM13
Chromosome Location	4q31
Pathway	APC/C complex, organism-specific biosystem; APC/C complex, conserved biosystem; APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Cyclin B, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1, organism-specific biosystem;
Function	ubiquitin-protein ligase activity;