

Recombinant Human Anaphase Promoting Complex Subunit 13, T7-tagged

Cat. No. ANAPC13-1919H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanANAPC13 protein fused to T7-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography.
Species	Human
Description	ANAPC13,also known as anaphase-promoting complex subunit 13, is component of theanaphase promoting complex, a large ubiquitin-protein ligase that controlscell cycle progression by regulating the degradation of cell cycle regulatorssuch as B-type cyclins.
Form	Liquid. 20mMTris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT, 0.1M NaCl.
Molecular Weight	10.0 kDa(89aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appearhigher)
Purity	> 90%by SDS-PAGE
Concentration	1 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MASMTGGGQQMGRGSHMDSEV QRDGRILDLI DDAWREDKLP YEDVAIPLNE LPEPEQDNNGG TTESVKEQEM KWTDLALQYLHENVPPIGN
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.

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Pathways

FOXA2 and FOXA3 transcription factornetworks; Fructose and mannose metabolism; Fructose catabolism;Gluconeogenesis; Glucose metabolism; Glycolysis; Glycolysis (Embden-Meyerhofpathway); Glycolysis / Gluconeogenesis; Glycolysis and Gluconeogenesis;Metabolic pathways; Metabolism of carbohydrates; Pentose phosphate pathway

GENE INFORMATION
Gene Name

[ANAPC13 anaphase promotingcomplex subunit 13 \[Homo sapiens \]](#)

Official Symbol

[ANAPC13](#)

Synonyms

ANAPC13; anaphase promoting complex subunit13; SWM1; APC13; anaphase-promoting complex subunit 13; cyclosome subunit 13;DKFZP566D193

Gene ID

[25847](#)

mRNA Refseq

[NM_001242374](#)

Protein Refseq

[NP_001229303](#)

UniProt ID

[Q9BS18](#)

Chromosome Location

3q22.1

Function

APC/C complex; Adaptive Immune System; Cellcycle; Class I MHC mediated antigen processing snd presentation; ImmuneSystem; Oocyte meiosis; Progesterone-mediated oocyte maturation; Ubiquitinmediated proteolysis

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