

Recombinant Full Length Human ANAPC2 Protein, GST-tagged

Cat. No. ANAPC2-1236HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ANAPC2 full-length ORF (AAH32503, 1 a.a. - 822 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	822 amino acids
Description	A large protein complex, termed the anaphase-promoting complex (APC), or the cyclosome, promotes metaphase-anaphase transition by ubiquitinating its specific substrates such as mitotic cyclins and anaphase inhibitor, which are subsequently degraded by the 26S proteasome. Biochemical studies have shown that the vertebrate APC contains eight subunits. The composition of the APC is highly conserved in organisms from yeast to humans. The product of this gene is a component of the complex and shares sequence similarity with a recently identified family of proteins called cullins, which may also be involved in ubiquitin-mediated degradation. [provided by RefSeq, Jul 2008]
Molecular Mass	116.05 kDa
AA Sequence	MAAAVVVAEG DSDSRPGQEL LVAWNTVSTG LVPPAALGLV SSRTSGAVPP KEEELRAAVE VLRGHLHSV LEEWFVEVLQ NDLQANISPE FWNAISQCEN SADEPQCLLL LLDAFGLLES RLDPYLRSLE LLEKWTRLGL LMGTTGAQGLR

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EEVHTMLRGV LFFSTPRTFQ EMIQRLYGCF LRVYMQSKRK GEGGTDPELE
 GELDSRYARR RYYRLLQSPL CAGCSSDKQQ CWCRALEQF HQLSQVLHRL
 SLLERVSAEA VTTTLHQVTR ERMEDRCRGE YERSFLREFH KWIERVVGWL
 GKVFLQDGPA RPASPEAGNT LRRWRCHVQR FFYRIYASLR IEELFSIVRD
 FPDSRPAIED LKYCLERTDQ RQQLLVSLKA ALETRLLHPG VNTCDIITLY
 ISAIKALRVL DPSMVILEVA CEPIRRRLRT REDTVRQIVA GLTGDSGDTG
 DLAVELSKTD PASLETGQDS EDDSGEPEDW VPDPVDADPG KSSSKRRSSD
 IISLLVSIYG SKDLFINEYR SLLADRLLHQ FSFSPEREIR NVELLKLRFG
 EAPMHFCEVM LKDMADSRRI NANIREEDEK RPAEEQPPFG VYAVILSSEF
 WPPFKDEKLE VPEDIRAAL AYCKKYEQLK AMRTLWKHT LGLVTMDVEL
 ADRTLSVAVT PVQAVILLYF QDQASWTLEE LSKAVKMPVA LLRRRMSVWL
 QQGVLRPEPP GTFSVIEEER PQDRDNMVL DSDDES DSGM ASQADQKEEE
 LLLFWTYIQA MLTNLESLSL DRIYNMLRMF VVTGPALAEI DLQELQGYLQ
 KKVRDQQLVY SAGVYRLPKN CS

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ANAPC2 anaphase promoting complex subunit 2 \[Homo sapiens \]](#)

Official Symbol

[ANAPC2](#)

Synonyms

ANAPC2; anaphase promoting complex subunit 2; anaphase-promoting complex subunit 2; APC2; KIAA1406; cyclosome subunit 2; RP11-350O14.5

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Gene ID	29882
mRNA Refseq	NM_013366
Protein Refseq	NP_037498
MIM	606946
UniProt ID	Q9UJX6

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