Recombinant Full Length Human ANAPC2 Protein, C-Flag-tagged

Cat. No. ANAPC2-595HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ANAPC2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	93.6 kDa
AA Sequence	MAAAVVVAEGDSDSRPGQELLVAWNTVSTGLVPPAALGLVSSRTSGAVPPKEEELR AAVEVLRGHGLHSV LEEWFVEVLQNDLQANISPEFWNAISQCENSADEPQCLLLLL DAFGLLESRLDPYLRSLELLEKWTRLGL LMGTGAQGLREEVHTMLRGVLFFSTPRT

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	FQEMIQRLYGCFLRVYMQSKRKGEGGTDPELEGELDSRYARR RYYRLLQSPLCAG CSSDKQQCWCRQALEQFHQLSQVLHRLSLLERVSAEAVTTTLHQVTRERMEDRCR GE YERSFLREFHKWIERVVGWLGKVFLQDGPARPASPEAGNTLRRWRCHVQRFF YRIYASLRIEELFSIVRD FPDSRPAIEDLKYCLERTDQRQQLLVSLKAALETRLLHPGV NTCDIITLYISAIKALRVLDPSMVILEVA CEPIRRYLRTREDTVRQIVAGLTGDSDGTG DLAVELSKTDPASLETGQDSEDDSGEPEDWVPDPVDADPG KSSSKRRSSDIISLLV SIYGSKDLFINEYRSLLADRLLHQFSFSPEREIRNVELLKLRFGEAPMHFCEVM LKD MADSRRINANIREEDEKRPAEEQPPFGVYAVILSSEFWPPFKDEKLEVPEDIRAALEA YCKKYEQLK AMRTLSWKHTLGLVTMDVELADRTLSVAVTPVQAVILLYFQDQASWT LEELSKAVKMPVALLRRRMSVWL QQGVLREEPPGTFSVIEEERPQDRDNMVLIDSD DESDSGMASQADQKEEELLLFWTYIQAMLTNLESLSL DRIYNMLRMFVVTGPALAEIDLQELQGYLQKKVRDQQLVYSAGVYRLPKNCSTRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

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Full Length	Full L.

GENE INFORMATION

Gene Name	ANAPC2 anaphase promoting complex subunit 2 [Homo sapiens (human)]
Official Symbol	ANAPC2
Synonyms	APC2
Gene ID	29882
mRNA Refseq	NM_013366.4
Protein Refseq	NP_037498.1
MIM	606946
UniProt ID	Q9UJX6

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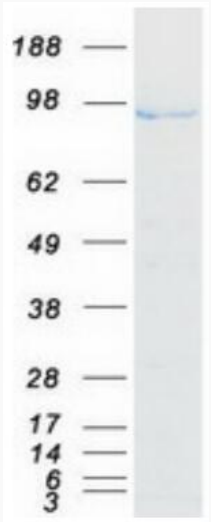

Coomassie blue staining of purified ANAPC2 protein.

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