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

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

## SPECIFICATION

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| **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

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|---|---|
| **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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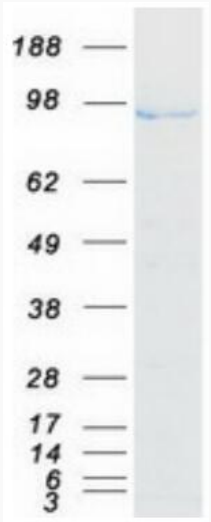


Coomassie blue staining of purified ANAPC2 protein.

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