

Product datasheet for **TP307539**

Apc2 (ANAPC2) (NM_013366) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human anaphase promoting complex subunit 2 (ANAPC2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207539 protein sequence Red =Cloning site Green =Tags(s)

MAAAVVAEGDSDSRPGQELLVAWNTVSTGLVPPAALGLVSSRTSGAVPPKEEELRAAVEVLRGHGLHSV
LEEFVFEVLQNDLQANISPEFWNAISQCENSADEPQCLLLLLDAFGLLESRLDPYLRSELELEKWTRLGL
LMGTGAQGLREEVHTMLRGVLFSTPRTFQEMIQRLYGCFLRVYMQSKRKGEGTDPELEGELDSRYARR
RYYRLLQSPLCAGCSSDKQQCWCRQALEQFHQLSQVLHRLSLLERSAEAVTTTLHQVTRERMEDRCRGE
YERSFLREFHKWIERVVGWLGKVFLLQDGPASPASPEAGNTLRRWRCHVQRFFYRIYASLRIEELFSIVRD
FPDSRPAIEDLKYCLERTDQRQQLLVSLKAALETRLLHPGVNTCDIITLYISAIKALRVLDPSMVILEVA
CEPIRRYLRTREDTVRQIVAGLTGDSGDTGDLAVELSKTDPASLETGQDSEDDSGEPEDWVPDPVDADPG
KSSSKRRSSDIISLLVSIYGSKDLFINEYRSLADRLHQQFSFPEREIRNVELLKLRFGEAPMHFCEVM
LKDMADSRINANIREEDEKRPAAEQPPFGVYAVILSSEFWPPFKDEKLEVPEDIRAALEAYCKKYEQLK
AMRTLWVKHTLGLVTMDVELADRTLVAVTPVQAVILLYFQDQASWTLEELSKAVKMPVALLRRRMSVWL
QQGVLREEPPGTFSVIEEERPQDRDNMVLIDSDDES DSGMASQADQKEEELLLFWTYIQAMLTNLESLSL
DRIYNMLRMFVVTGPALAEIDLQELQGYLQKKVRDQQLVYSAGVYRLPKNCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

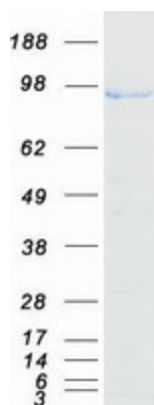
Tag:	C-Myc/DDK
Predicted MW:	93.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_037498
Locus ID:	29882
UniProt ID:	Q9UJX6
RefSeq Size:	2733
Cytogenetics:	9q34.3
RefSeq ORF:	2466
Synonyms:	APC2
Summary:	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]
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

Product images:



Coomassie blue staining of purified ANAPC2 protein (Cat# TP307539). The protein was produced from HEK293T cells transfected with ANAPC2 cDNA clone (Cat# [RC207539]) using MegaTran 2.0 (Cat# [TT210002]).