

Product datasheet for PH307539

Apc2 (ANAPC2) (NM_013366) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ANAPC2 MS Standard C13 and N15-labeled recombinant protein (NP_037498)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207539
Predicted MW:	93.8 kDa
Protein Sequence:	>RC207539 protein sequence Red=Cloning site Green=Tags(s)

MAAAVVVAEGDSDSRPGQELLVAVNTVSTGLVPPAALGLVSSRTSGAVPPKEEELRAAVEVLRHGLHLSV
LEEFVVEVLQNDLQANISPEFWNAISQCENSADEPQCLLLLLDAFGLLESRLDPYLRSELELLEKWTGL
LMGTGAQGLREEVHTMLRGVLFSTPRTFQEMIQRLYGCFRLRVYMQSKRKGEGGTDPLEGELEDSRYARR
RYYRLLQSPLCAGCSSDKQQCWCRQALEQFHQLSQVLHRLSLLERVSAEAVTTTTLHQVTRERMEDRCRGE
YERSFLREFHKWIERVVWGLGKVFLQDGPARPASPEAGNTRRWVCHVQRFFYRIYASLRIEELFSIVRD
FPDSRPAIEDLKYCLERTDQRQQLVSLKAALETRLLHPGVNTCDIITLYISAIKALRVLDPSMILEVA
CEPIRRYLRTREDTVRQIVAGLTGSDGTGDLAVELSKTDPASLETGQDSEDDSGEPEDWVDPVDADPG
KSSSKRRSSDIISLLVSIYGSKDLFINEYRSLLADRLHQFSFSPEREIRNVLLKLRFGAEPMHFCEVM
LKDMADSRINANIREEDEKRPAAEQPPFGVYAVILSSEFWPPFKDEKLEVPEDIRAALAYCKKYEQLK
AMRTL SWKHTLGLVTMDVELADRTL SVAVTPVQAVILL YFQDQASWTL EEL SKAVKMPVALLRRRMSVWL
QQGVLREEPPGTF SVIEEERPQDRDNMVLIDSDDSDSGMASQADQKEEELLLFWTYIQAML TNLESLSL
DRIYNMLRMFVVTGPALAEIDLQELQGYLQKKVRDQQLVYSAGVYRLPKNCS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_037498



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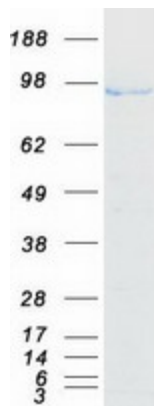
RefSeq Size: 2733
RefSeq ORF: 2466
Synonyms: APC2
Locus ID: 29882
UniProt ID: [Q9UJX6](#)
Cytogenetics: 9q34.3

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]).