

## Product datasheet for **TP303030**

### Apc5 (ANAPC5) (NM\_016237) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human anaphase promoting complex subunit 5 (ANAPC5), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203030 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)

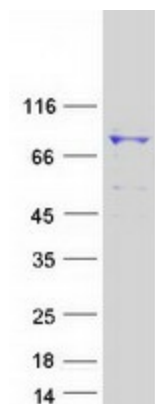
MASVHESLYFNPMMTNGVWHANVFGIKDWVTPYKIAVLVLLNEMSRTGEGAVSLMERRRLNQLLLPLLQ  
 G  
 PDITLSKLYKLIEESCPQLANSVQIRIKLMAEGELKDMEQFFDDLSDSFSGTEPEVHKTSVVGFLRHM  
 LAYSKLSFSQVFKLYTALQQYFQNGEKKTVEDADMELTSRDEGERKMEKEELDVSVREEEVSCSGPLSQK  
 QAEFFLSQQASLLKNDET KALTPASLQKELNNLLKFNPDFAEAHYLSYLNLRVQDVFSSTHSLLHYFDR  
 LILTGAESKSNGEEGYGRSLRYAALNLAALHCRFGHYQQAEALQEAIRIAQESNDHVCLQHCLSWLYVL  
 GQKRSDSYVLEHSVKKAVHFGPLPYLASLGIQSLVQQRAFAGKTANKLMDALKDSDLLHWKHSLSLID  
 SIAQKTAIWRLYGRSTMALQQAQMLLSMNSLEAVNAGVQQNNTESFAVALCHLAELHAEQGCFAAASEV  
 L  
 KHLKERFPPNSQHAQLWMLCDQKIQFDRAMNDGKYHLADSLVTGITALNSIEGVYRKAVVLQAQNM  
 S  
 EA  
 HKLLQKLLVHCQKLKNTMEMVISVLLSVAELYWRSSSPTIALPMLLQALALSKEYRLQYLASETVLNLAFA  
 QLILGIPEQALSLLHMAIEPILADGAILDKGRAMFLVAKCQVASAASYDQPKKAEAAIENLNKAKNY  
 FAKVDCKERIRDVVYFQARLYHTLGKTQERNRCAMLFRLHQELPSHGVPINHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	84.9 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


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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_057321</a>
<b>Locus ID:</b>	51433
<b>UniProt ID:</b>	<a href="#">Q9UJX4</a>
<b>RefSeq Size:</b>	2625
<b>Cytogenetics:</b>	12q24.31
<b>RefSeq ORF:</b>	2265
<b>Synonyms:</b>	APC5
<b>Summary:</b>	This gene encodes a tetratricopeptide repeat-containing component of the anaphase promoting complex/cyclosome (APC/C), a large E3 ubiquitin ligase that controls cell cycle progression by targeting a number of cell cycle regulators such as B-type cyclins for 26S proteasome-mediated degradation through ubiquitination. The encoded protein is required for the proper ubiquitination function of APC/C and for the interaction of APC/C with transcription coactivators. It also interacts with polyA binding protein and represses internal ribosome entry site-mediated translation. Multiple transcript variants encoding different isoforms have been found for this gene. These differences cause translation initiation at a downstream AUG and result in a shorter protein (isoform b), compared to isoform a. [provided by RefSeq, Nov 2008]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

**Product images:**

Coomassie blue staining of purified ANAPC5 protein (Cat# TP303030). The protein was produced from HEK293T cells transfected with ANAPC5 cDNA clone (Cat# [RC203030]) using MegaTran 2.0 (Cat# [TT210002]).