

Recombinant Human ANAPC5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ANAPC5-5122H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ANAPC5 MS Standard C13 and N15-labeled recombinant protein (NP_057321) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	85.1 kDa
AA Sequence	MASVHESLYFNPMMTNGVVHANVFGIKDWVTPYKIAVLVLLNEMSRTGEGAVSLME RRRLNQLLLPLLQGPDITLSKLYKLIEESCPQLANSVQIRIKLMAEGELKDMEQFFDDL SDSFSGTEPEVHKTSVVGLFLRHMILAYSKLSFSQVFKLYTALQQYFQNGEKKTVED

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ADMELTSRDEGERKMEKEELDVSVREEEVSCSGPLSQKQAEFFLSQQASLLKNDET
 KALTPASLQKELNNLLKFNPDFAEAHYLSYLNLRVQDVFSSTHLLHYFDRILITGA
 ESKSNGEEGYGRSLRYAALNLAALHCRFGHYQQAELALQEAIRIAQESNDHVCLQH
 CLSWLYVLGQKRSDSYVLEHSVKKAVHFGLPYLASLGIQSLVQQRAFAAGKTANKL
 MDALKDSDLHWHKSLSELIDISIAQKTAIWRLYGRSTMALQQAQMLLSMNSLEAVN
 AGVQQNNTESFAVALCHLAELHAEQGCFAAAASEVLKHLKERFPPNSQHAQLWMLC
 DQKIQFDRAMNDGKYHLADSLVTGITALNSIEGVYRKAVVLQAQNQMSEAHKLLQKL
 LVHCQKLKNTMEMVISVLLSVAELYWRSSSPTIALPMLLQALALSKEYRLQYLASETVL
 NLAFACLILGIPEQALSLLHMAIEPILADGAILDKGRAMFLVAKCQVASAASYDQPKKA
 EALEAAIENLNEAKNYFAKVDCKERIRDVVYFQARLYHTLGKTQERNRCAMLFRQLH
 QELPSHGVPLINHLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ANAPC5 anaphase promoting complex subunit 5 [Homo sapiens (human)]
Official Symbol	ANAPC5
Synonyms	ANAPC5; anaphase promoting complex subunit 5; anaphase-promoting complex subunit 5; APC5; cyclosome subunit 5;

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Gene ID	51433
mRNA Refseq	NM_016237
Protein Refseq	NP_057321
MIM	606948
UniProt ID	Q9UJX4
SDS-PAGE	