

Product datasheet for PH300097

Apc11 (ANAPC11) (NM_001002244) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ANAPC11 MS Standard C13 and N15-labeled recombinant protein (NP_001002244)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200097
Predicted MW:	20.6 kDa
Protein Sequence:	>RC200097 protein sequence Red=Cloning site Green=Tags(s) MKVKIKCWNGVATLWLVANDENCGICRMAFNCCPDCPLHGESISRCLGWCPQPVPVLGGRAHPQVPINT ASPTPGQHTGSLMSREESSRSPDPTPALDQETSLLRCTSPWCLDHSCDLFGITDQVSADGPRACRQGA RRRLPAGVGPVLPVLLPHALHPQVAARTAGAAALPHVPPGMEVQGVPRDLALAGGAS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_001002244
RefSeq Size:	1186
RefSeq ORF:	588
Synonyms:	APC11; Apc11p; HSPC214
Locus ID:	51529
UniProt ID:	Q9NYG5 , A0A024R8S1



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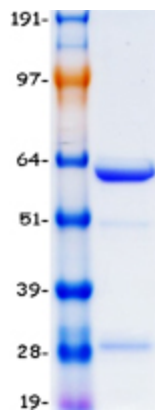
Cytogenetics: 17q25.3

Summary: Together with the cullin protein ANAPC2, constitutes the catalytic component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains. May recruit the E2 ubiquitin-conjugating enzymes to the complex.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Protein Pathways: Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

Product images:



Coomassie blue staining of purified ANAPC11 protein (Cat# [TP300097]). The protein was produced from HEK293T cells transfected with ANAPC11 cDNA clone (Cat# [RC200097]) using MegaTran 2.0 (Cat# [TT210002]).