

Product datasheet for PH319871

Apc7 (ANAPC7) (NM_016238) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ANAPC7 MS Standard C13 and N15-labeled recombinant protein (NP_057322)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219871
Predicted MW:	63.2 kDa
Protein Sequence:	>RC219871 representing NM_016238 Red=Cloning site Green=Tags(s)

MNVIDHVRDMAAAGLHSNVRLSSLLL TMSNNPELFSPQKYQLLVYHADSLFHDKEYRNAVSKYTMAL
QQKKALSKTSKVRPSTGNSASTPQSQCPLPSEIEVKYKMAECYMLKQDKDAIAILDGIPSRQTPKINMM
LANLYKKAGRERPSVTSYKEVLRQCPLALDAILGLLSLVKGAEVASMTMNVITQVPLDWSVWIKAYA
FVHTGDNRAISTICSLEKKSLLRDNVDLLGSLADLYFRAGDNKNSVLKFEQAQMLDLYL IKGMDVYGYL
LAREGLEDVENLGCRLFNISDQHAEPWVVGCHSFYSKRYSRALYL GAKAIQLNSNSVQALLLKGAAALR
NMGRVQEAIHFREAIRLAPCRLCDYEGLECYLASNSIREAMVMANNVYKTLGANAQTL TLLATVCLED
PVTQEKAKTLLDKAL TQRPDYIKAVVKKAEALLSREQKYEDGIALLRNALANQSDCVLHRILGDFL VAVNE
YQEAMDQYSIALSLDPNDQKSLEGMQKMEKEESPTDATQEEDVDDMEGSGEGDLEGS DSEAAQWADQEQ
WFGMQ

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_057322
RefSeq Size:	3070
RefSeq ORF:	1695



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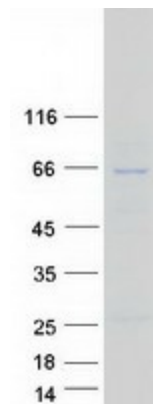
Synonyms: APC7
Locus ID: 51434
UniProt ID: [Q9UJX3](#), [Q4KMX6](#), [A0A024RBJ3](#), [Q69YV3](#)
Cytogenetics: 12q24.11

Summary: 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 proper protein ubiquitination function of APC/C and for the interaction of APC/C with certain transcription coactivators. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 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 ANAPC7 protein (Cat# [TP319871]). The protein was produced from HEK293T cells transfected with ANAPC7 cDNA clone (Cat# [RC219871]) using MegaTran 2.0 (Cat# [TT210002]).