

Recombinant Full Length Human ANAPC5 Protein, GST-tagged

Cat. No. ANAPC5-1285HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ANAPC5 full-length ORF (NP_057321.2, 1 a.a. - 755 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	755 amino acids
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. [provided by RefSeq, Nov 2008]
Molecular Mass	111.5 kDa
AA Sequence	MASVHESLYF NPMMTNGVVH ANVFGIKDWV TPYKIAVLVL LNEMSRTGEG AVSLMERRRL NQLLLPLLQG PDITLSKLYK LIEESCPQLA NSVQIRIKLM

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AEGELKDMEQ FFDDLSDSFS GTEPEVHKTS VVGLFLRHMI LAYSKLSFSQ
 VFKLYTALQQ YFQNGEKKTV EDADMELTSR DEGERKMEKE ELDVSVREEE
 VSCSGPLSQK QAEFFLSQQA SLLKNDETKA LTPASLQKEL NNLLKFNPDP
 AEAHYLSYLN NLRVQDVFS THSLLHYFDR LILTGAESKS NGEEGYGRSL
 RYAALNLAAL HCRFGHYQQA ELALQEAIIRI AQESNDHVCL QHCLSWLYVL
 GQKRSDSYVL LEHSVKKAVH FGLPYLASLG IQSLVQQRAF AGKTANKLMD
 ALKDSDLLHW KHSLSLID I SIAQKTAIWR LYGRSTMALQ QAQMLLSMNS
 LEAVNAGVQQ NNTESFAVAL CHLAELHAEQ GCFAAASEVL KHLKERFPPN
 SQHAQLWMLC DQKIQFDRAM NDGKYHLADS LVTGITALNS IEGVYRKAVV
 LQAQNQMSEA HKLLQKLLVH CQKLKNTMV ISVLLSVAEL YWRSSSPTIA
 LPMLLQALAL SKEYRLQYLA SETVLNLAFA QLILGIPEQA LSLHMAIEP
 ILADGAILDK GRAMFLVAKC QVASAASYDQ PKKAEALEAA IENLNEAKNY
 FAKVDCKERI RDVVYFQARL YHTLGKTQER NRCAMLFRL HQELPSHGVP LINHL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ANAPC5 anaphase promoting complex subunit 5 [Homo sapiens]

Official Symbol

ANAPC5

Synonyms

ANAPC5; anaphase promoting complex subunit 5; anaphase-promoting complex subunit 5; APC5; cyclosome subunit 5

Gene ID

51433

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mRNA Refseq	NM_001137559
Protein Refseq	NP_001131031
MIM	606948
UniProt ID	Q9UJX4

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