

# Recombinant Full Length Human ANAPC5 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human ANAPC5 full-length ORF ( NP_057321.2, 1 a.a. - 755 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	755 amino acids
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	111.5 kDa
<b>AA Sequence</b>	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 NLLKFNPDF  
 AEAHYSYLN NLRVQDVFSS THSLLHYFDR LILTGAESKS NGEEGYGRSL  
 RYAALNLAAL HCRFGHYQQA ELALQEAIRI AQESNDHVCL QHCLSWLYVL  
 GQKRSDSYVL LEHSVKKAVH FGLPYLASLG IQSLVQQRAF AGKTANKLMD  
 ALKDSDLLHW KHSLSELIDI SIAQKTAIWR LYGRSTMALQ QAQMLLSMNS  
 LEAVNAGVQQ NNTESFAVAL CHLAELHAEQ GCFAAASEVL KHLKERFPPN  
 SQHAQLWMLC DQKIQFDRAM NDGKYHLADS LVTGITALNS IEGVYRKAVV  
 LQAQNMSEA HKLLQKLLVH CQKLNTEMV ISVLLSVAEL YWRSSSPTIA  
 LPMLLQALAL SKEYRLQYLA SETVLNLFAFA 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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