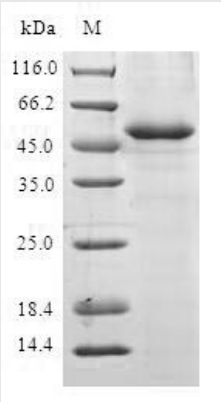
Anaphase-Promoting Complex Subunit 10 (ANAPC10) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Anaphase-promoting complex subunit 10 (ANAPC10), Recombinant Protein
Full Product Name	Recombinant Human Anaphase-promoting complex subunit 10 (ANAPC10)
Product Gene Name	ANAPC10 recombinant protein
Product Synonym Gene Name	ANAPC10; APC10
Product Synonym Names	Anaphase-promoting complex subunit 10; APC10; Cyclosome subunit 10
Sequence	TTPNKTPPGA DPKQLERTGT VREIGSQAVW SLSSCKPGFG VDQLRDDNLE TYWQSDGSQP HLVNIQFRRK TTVKTLCIYA DYKSDESYTP SKISVRVGNN FHNLQEIRQL ELVEPSGWIH VPLTDNHKKP TRTFMIQIAV LANHQNGRDT HMRQIKIYTP VEESSIGKFP RCTTIDFMMY RSIR
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	48.1 kDa
Sequence Positions	1-185aa; Full Length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	613745
3D Structure	ModBase 3D Structure for Q9UM13
Species	Homo sapiens (Human)
Product Categories/Family for ANAPC10 recombinant protein	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ANAPC10 recombinant protein	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.
Other Notes	Small volumes of ANAPC10 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ANAPC10 purchase	MBS1402914 is a recombinant protein targeting ANAPC10. Also known as Recombinant Human Anaphase-promoting complex subunit 10 (ANAPC10). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.



SDS-PAGE of ANAPC10 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ANAPC10. It may not necessarily be applicable to this product.

NCBI GI #	375493577
NCBI GeneID	10393
NCBI Accession #	NP_001243635.1
UniProt Primary Accession #	Q9UM13
UniProt Secondary Accession #	Q2V500; Q9UG51; Q9Y5R0; D3DNZ7
UniProt Related Accession #	Q9UM13
GenBank Nucleotide #	NM_001256706.1
NCBI Official Full Name	anaphase-promoting complex subunit 10 isoform 1
NCBI Official Synonym Full Names	anaphase promoting complex subunit 10
NCBI Official Symbol	ANAPC10
NCBI Official Synonym Symbols	DOC1; APC10
UniProt Protein Name	Anaphase-promoting complex subunit 10
UniProt Synonym Protein Names	Cyclosome subunit 10
UniProt Gene Name	ANAPC10
UniProt Synonym Gene Names	APC10; APC10
UniProt Entry Name	APC10_HUMAN
NCBI Protein Information	anaphase-promoting complex subunit 10; cyclosome subunit 10
NCBI Summary for ANAPC10	ANAPC10 is a core subunit of the anaphase-promoting complex (APC), or cyclosome, a ubiquitin protein ligase that is essential for progression through the cell cycle. APC initiates sister chromatid separation by ubiquitinating the anaphase inhibitor securin (PTTG1; MIM 604147) and triggers exit from mitosis by ubiquitinating cyclin B (CCNB1; MIM 123836), the activating subunit of cyclin-dependent kinase-1 (CDK1; MIM 116940) (summary by Wendt et al., 2001 [PubMed 11524682]).[supplied by OMIM, Feb 2011]

UniProt Comments for ANAPC10	APC10: 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. Belongs to the APC10 family. Protein type: Ubiquitin conjugating system Chromosomal Location of Human Ortholog: 4q31 Cellular Component: nucleoplasm; anaphase-promoting complex; cytosol Biological Process: positive regulation of ubiquitin-protein ligase activity during mitotic cell cycle; mitosis; negative regulation of ubiquitin-protein ligase activity during mitotic cell cycle; regulation of ubiquitin-protein ligase activity during mitotic cell cycle; cell division; anaphase-promoting complex-dependent proteasomal ubiquitin-dependent protein catabolic process; mitotic cell cycle spindle assembly checkpoint; mitotic cell cycle
Research Articles on ANAPC10	**1.** Cdc20 requires APC3 and APC8 to bind and activate the APC/C when the spindle assembly checkpoint is satisfied, but only APC8 when active, and APC10 is crucial for the destruction of cyclin B1 and securin, but not cyclin A
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