

Datasheet for ABIN7556330

ANAPC7 Protein (AA 1-565) (His tag)



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Overview

Quantity:	1 mg
Target:	ANAPC7
Protein Characteristics:	AA 1-565
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANAPC7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Anapc7 Protein expressed in mammalian cells.
Sequence:	MSVIDHVRDM AAAGLHSNVR LLSSLLLTMS NNNPELFSPS QKYQLLVYHA DSLFHDKEYR NAVSKYAMAL QKKKALSKTS KVRPSTGNSA STPQSQCLPS EIEVKYKMAE CYTMLKLDKD AIAVLDGIPS RQRTPKINMM LANLYKKAGQ ERPSVTSYKE VLRQCPLALD AILGLLSLSV KGAEVASMTM NVIQTPPNLD WLSVWIKAYA FVHTGDNRA INTICSLEKK SLLRDNVDLL GSLADLYFRA GDSKNSVLKF EQAQMLDPYL IRGMDVYGYL LAREGRLEDV ENLGCRLFNI SDQHAEPWVV SGCHSFYSKR YSRALYLGAQ AIQLNSNSVQ ALLLKGAALR NMGRVQEAI HFREAIRLAP CRLDCYEGLI ECYLASNSIR EAMVMANNVY KTLGANAQTL TLLATVCLED PVTQEKAKTL LDKALAQRPD YVKAVVKAE LLSREQKYED GIALLRNALA NQSDCVLHRI LGDFLVAVNE YQEAMDQYSI ALSLDPNDQK SLEGMQKMEK EESPTDATQE EDVDDMEGSG EEGDLEGSDS EAAQWADQEQ WFGMQ Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Product Details

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ANAPC7
Alternative Name:	Anapc7 (ANAPC7 Products)
Background:	Anaphase-promoting complex subunit 7 (APC7) (Cyclosome subunit 7) (Prediabetic NOD sera-reactive autoantigen),FUNCTION: 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 (By similarity). APC7 is not required for the assembly of the APC/C complex, but has an enzyme-substrate adapter activity mediating the processive ubiquitination of specific substrates (By similarity). Involved in brain development through the specific ubiquitination and clearance of MKI67 from constitutive heterochromatin after neuronal progenitors exit mitosis (PubMed:34942119). {ECO:0000250 UniProtKB:Q9UJX3,

Target Details

	ECO:0000269 PubMed:34942119}.
Molecular Weight:	63.0 kDa
UniProt:	Q9WVM3

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months