

Datasheet for ABIN7552055

ANAPC2 Protein (AA 1-822) (His tag)



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Overview

Quantity:	1 mg
Target:	ANAPC2
Protein Characteristics:	AA 1-822
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANAPC2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ANAPC2 Protein expressed in mammalian cells.
Sequence:	<p>MAAAVVVAEG DSDSRPGQEL LVAWNTVSTG LVPPAALGLV SSRTSGAVPP KEEELRAAVE</p> <p>VLRGHGLHSV LEEWFVEVLQ NDLQANISPE FWN AISQCEN SADEPQCLLL LLDAFGLLES</p> <p>RLDPYLRSL E LLEKWTRLGL LMGTGAQGLR EEVHTMLRGV LFFSTPRTFQ EMIQRLYGCF</p> <p>LRVYMQSKRK GEGGTDPELE GELDSRYARR RYYRLLQSPL CAGCSSDKQQ CWCQRQALEQF</p> <p>HQLSQVLHRL SLLERVSAEA VTTTLHQVTR ERMEDRCRGE YERSFLREFH KWIERVVGWL</p> <p>GKVFLQDGPA RPASPEAGNT LRRWRCHVQR FFYRIYASLR IEELFSIVRD FPDSPAIED</p> <p>LKYCLERTDQ RQQLLVSLKA ALETRLLHPG VNTCDIITLY ISAIKALRVL DPSMVILEVA</p> <p>CEPIRRYLRT REDTVRQIVA GLTGSDSGTG DLAVELSKTD PASLETGQDS EDDSGEPEDW</p> <p>VPDPVDADPG KSSSKRRSSD IISLLVSIYG SKDLFINEYR SLLADRLLHQ FSFSPEREIR</p> <p>NVELLKLRF G EAPMHFCEVM LKDMADSRRI NANIREEDEK RPAEEQPPFG VYAVILSSEF</p> <p>WPPFKDEKLE VPEDIRAAL E AYCKKYEQLK AMRTL SWKHT LGLVTMDVEL ADRTLSVAVT</p>

PVQAVILLYF QDQASWTLEE LSKAVKMPVA LLRRRMSVWL QQGVLRREEPP GTFSVIEEER
PQDRDNMVL I DSDDSDSGM ASQADQKEE LLLFWTYIQA MLTNLESLSL DRIYNMLRMF
VVTGPALAEI DLQELQGYLQ KKVRDQQLVY SAGVYRLPKN CS **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.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	ANAPC2
Alternative Name:	ANAPC2 (ANAPC2 Products)
Background:	Anaphase-promoting complex subunit 2 (APC2) (Cyclosome subunit 2),FUNCTION: Together with the RING-H2 protein ANAPC11, constitutes the catalytic 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. The CDC20-APC/C complex positively regulates the

Target Details

	formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. CDC20-APC/C-induced degradation of NEUROD2 drives presynaptic differentiation. {ECO:0000269 PubMed:11739784, ECO:0000269 PubMed:18485873}.
Molecular Weight:	93.8 kDa
UniProt:	Q9UJX6
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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