

Datasheet for ABIN7562682

APAF1 Protein (AA 1-1249) (His tag)



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Overview

Quantity:	1 mg
Target:	APAF1
Protein Characteristics:	AA 1-1249
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APAF1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Apaf1 Protein expressed in mammalian cells.
Sequence:	MDAKARNCLL QHREALEKDI KTSYIMDHMI SNGVLSVIEE EKVKSQATQY QRAAALIKMI LNKDNCAIYS FYNALLHEGY KDLAALLQSG LPLVSSSSGK DTDGGITSFV RTVLCEGGVP QRPVIFVTRK KLVHAIQKQL WKLNGEPGWV TIYGMAGCGK SVLAAEAVRD HSLLEGCFSG GVHWVSIGKQ DKSGLLMKLQ NLCMRDQEE SFSQRLPLNI EEAKDRLRVL MLRKHPRSLI ILDDVWDPWV LKAFDNQCQI LLTTRDKSVT DSVMGPKHVV PVESGLGREK GLEILSLFVN MKKEDLPAEA HSIIECKGS PLVVSIGAL LRDFPNRWAY YLRQLQNKQF KRIRKSSSYD YEALDEAMSI SVEMLREDIK DYYTDLILQ KDVKVPTKVL CVLWDLETEE VEDILQEFVN KSLFLCNRNG KSFCYYLHDL QVDFLTEKNR SQLQDLHRKM VTQFQRYYP HTLSPDQEDC MYWYNFLAYH MASANMHKEL CALMFSLDWI KAKTELVGPA HLIHEFVAYR HILDEKDCAV CENFQEFLSL NGHLLGRQPF PNIVQLGLCE PETSEVYRQA KLQAKQEGDT GRLYLEWINK KTIKNLSRLV VRPHTDAVYH ACFSQDGQRI ASCGADKTLQ VFKAETGEKL LDIKAHEDEV

LCCAFSSDDS YIATCSADKK VKIWDSATGK LVHTYDEHSE QVNCCHFTNK SNHLLLATGS
NDFFLKLWDL NQKECRNTMF GHTNSVNHCR FSPDDELLAS CSADGTLRLW DVRSANERKS
INVKRFFLSS EDPPEDVEVI VKCCSWSADG DKIIVAAKNK VLLFDIHTSG LLAEIHTGHH
STIQYCDFSP YDHLAVIALS QYCVELWNID SRLKVADCRG HLSWVHGVMF SPDGSSFLTA
SDDQTIRVWE TKKVCKNSAI VLKQEIDVVF QENETMVLAV DNIRGLQLIA GKTGQIDYLP
EAQVSCCCLS PHLEYVAFGD EDGAIKIEL PNNRVFSSGV GHKKAVRHIQ FTADGKTLIS
SSEDSVIQVW NWQTGDYVFL QAHQETVKDF RLLQDSRLLS WSFDGTVKVV NVITGRIERD
FTCHQGTVLS CAISSDATKF SSTSADKTAK IWSFDLLSPL HELKGHNGCV RCSAFSLDGI
LLATGDDNGE IRIWNVSDGQ LLHSCAPISV EEGTATHGGW VTDVCFSPDS KTLVSAGGYL
KWWNVATGDS SQTFYTNGTN LKKIHVSPDF RTYVTVDNLG ILYILQVLE **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:

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, Western Blot

Grade:

custom-made

Target Details

Target:

APAF1

Alternative Name:

Apaf1 ([APAF1 Products](#))

Target Details

Background:	Apoptotic protease-activating factor 1 (APAF-1),FUNCTION: Oligomeric Apaf-1 mediates the cytochrome c-dependent autocatalytic activation of pro-caspase-9 (Apaf-3), leading to the activation of caspase-3 and apoptosis. This activation requires ATP (By similarity). {ECO:0000250}.
Molecular Weight:	141.0 kDa
UniProt:	O88879
Pathways:	p53 Signaling , Apoptosis , Caspase Cascade in Apoptosis , Tube Formation , Positive Regulation of Endopeptidase Activity

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