

Datasheet for ABIN7563849

NACAD Protein (AA 1-1504) (His tag)



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Overview

Quantity:	1 mg
Target:	NACAD
Protein Characteristics:	AA 1-1504
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NACAD protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nacad Protein expressed in mammalian cells.
Sequence:	<p>MSALPLALRS ARRAGARSLG LIGGRGSADV IYAPPPSRG AVAVLATPSA LTDRGTERQG YRQAHVQAMP GEAAGAELPL PEAGGPGSRT DHSCDAAIAT ILKGDQLEPH GLTPGPSPLA LTFLLSKPGA RPQPEGASWD AGPSGAASAW VDPAEGSPSL VVLPEGLPLR PVPAEGPLPT TLEPRIVMGE ETCQVIASPR AAWPVLRDRE GGHPALHPPP ELCSQGDPV PSPPPDLESY FTPSTPTKS THALLPDHGP HRDAWDLEAE LLELLDSTP ASPSGSYITA DGDSWASSPS CSLSLLDPAE GLDFPSDWGL SPSGSVADDL EPHPAAPPEP PSESSLSD SSSWSQEGH FFDPNFLAND PMIPAALLPF RGLIFQVEA VEVTPLPQEE EEDEEDVAAT AAAAAAATAA PDGDLAGEGE DDSTSASFQ SLSDSLIIEG MDEAFARDD TSAASSSDS ASYAGADDDR LYSGEPHAQP SAQNTEQAYR SRATFPGIES TPQTSEQEIC LTNSQESVAE IAEEILTLGL ESEAMRTPPD QQAAPGPQVE ETPTVTPWVG NKVDLVEQV SKALPEPCQE GISTTLGCKP LTAEAIPLDQ EGASPSLCPV LPEKKEEGQG LPSTLEYVAV ALEGPWKAEG GVTIPQDPLM TLPPLLQSTV PTSGPESVAV VALEPQQNEG CVTVLPDVPV VLPPSPQSVDPSSGPEAMAV</p>

ATYEFQRAKE GTPGLQDSPV AASPALQGPD PTSEPEPEVV VTSRSQQDEG IVTVPQESPT
ASSLTLQSSH PTSDQEREVA ATLGPPQAEE GVTIPQVAPV ASPDLLQGLE STSDLESVVV
GTPESQQDEG IATATQDTPV MAPPPLRGTD STSDPELIAP DTSQALQREA GHTPGKPSV
SEAHQELGVA SGPRPVPKEG DAEPHPSAP PASNQAQQNG SEPGYKSDSF GAPEESDSTL
STKTSEPTSC MGEKVAANMS APKQGACLEA HDGVKTHSPQ REALRSKNKR GRGTKSPGQG
NGPKSATSQG AVETCRAHSA ARSEVSQPQL RSNEDTSGPR LPVAVSVQAR LGSCPGSPAR
ATCTLSRVYA EETSRCAPPF QHLEPMLGLG SAEQPKVTPG ILNLSPDNSA GDLLTTSQNR
FLDPDPAPST LDRASQSSPG PDPCLCPPP QKASEEEEEK PASRGMPRA GAQGAAAITT
SGSTKPPGAR QRVSLSPHST LNPKVAPTDT KDLACIISP CQVPPPSGTQ NPSGPREFPA
LEQKDEDSLE EDAQRAPGSG QRWESHGESS SELDEYLAPP PDAQRTPGSG QRSESHGESS
SELGEQDLSP QKSQCPAQP AGSNEETIAK AKQSRSEKKA RKAMSKLGLR QIQGVTRITI
QKSKNILFVI AKPDVFKSPA SDTYVVFGEA KIEDLSQQVH KAAAEKFKVP SEPSALVPEL
SPGPRVRPEC EEQEEDEEV EEAGLEPRDI ELVMAQANVT RAKAVRALKD NHSDIVNAIM ELTM

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.

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:	NACAD
Alternative Name:	Nacad (NACAD Products)
Background:	NAC-alpha domain-containing protein 1,FUNCTION: May prevent inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). May bind to nascent polypeptide chains as they emerge from the ribosome and block their interaction with the signal recognition particle (SRP), which normally targets nascent secretory peptides to the ER. May also reduce the inherent affinity of ribosomes for protein translocation sites in the ER membrane (M sites) (By similarity). {ECO:0000250}.
Molecular Weight:	156.8 kDa
UniProt:	Q5SWP3

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