

Datasheet for ABIN3094095
NCOA3 Protein (AA 2-1424) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	1 mg
Target:	NCOA3
Protein Characteristics:	AA 2-1424
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCOA3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence:	<p>SGLGENLDPL ASDSRKRKLP CDTPGQGLTC SGEKRRREQE SKYIEELAEL ISANLSDIDN FNVKPKCAI LKETVRQIRQ IKEQGKTISN DDDVQKADVS STGQGVIDKD SLGPLLLQAL DGFLFVVRD GNIVFVSENV TQYLQYKQED LVNTSVYNIL HEEDRKDFLK NLPKSTVNGV SWTNETQRQK SHTFNCRMLM KTPHDILEDI NASPEMRQRY ETMQCFALSQ PRAMMEEGED LQSCMICVAR RITTGERTFP SNPESFITRH DLSGKVVNID TNSLRSSMRP GFEDIIRRCI QRFFSLNDGQ SWSQKRHYQE AYLNHGAETP VYRFSADGT IVTAQTKSKL FRNPVTNDRH GFVSTHFLQR EQNGYRPNPN PVGQGIRPPM AGCNSSVGGM SMSPNQGLQM PSSRAYGLAD PSTTGQMSG A RYGGSSNIAS LTPGPGMQSP SSYQNNNYGL NMSSPPHGSP GLAPNQQNIM ISPRNRGSPK IASHQFSPVA GVHSPMASSG NTGNHSFSSS SLSALQAISE GVGTSLLSTL SSPGPKLDNS PNMNITQPSK VSNQDSKSPL GFYCDQNPVE SSMCQSNSRD H LSDKESKES SVEGAENQRG PLESKGHKKL LQLLTCSSDD RGHSSLTN SP LDSSCKESSV SVTSPSGVSS STSGGVSS TS NMHGSL LQEK HRILHKLLQN GNSPAEVAKI TAEATGK DTS SITSCGDGNV</p>
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VKQEQLSPPK KENNALLRYL LDRDDPSDAL SKELQPQVEG VDNKMSQCTS STIPSSSQEK
DPKIKTETSE EGSGDLNLD AILGDLTSSD FYNNSISSNG SHLGTKQQVF QGTNSLGLKS
SQSVQSIRPP YNRAVSLDSP VSVGSSPPVK NISAFMPLPK QPMLGGNPRM MDSQENYGSS
MGGPNRNVTV TQTPSSGDWG LPNSKAGRME PMNSNSMGRP GGDYNTSLPR PALGGSIPTL
PLRSNSIPGA RPVLQQQQQM LQMRPGEIPM GMGANPYGQA AASNQLGSWP DGMLSMEQVS
HGTQNRPLLRL NSLDDLVGPP SNLEGQSDER ALLDQLHTLL SNTDATGLEE IDRALGIPEL
VNQGQALEPK QDAFQGQEA VMMDQKAGLY GQTYPAQGPP MQGGFHLQGG SPSFNSMMNQ
MNQQGNFPLQ GMHPRANIMR PRTNTPKQLR MQLQQRLQGG QFLNQSRLAL ELKMENPTAG
GAAVMRPMMQ PQVSSQQGFL NAQMVAQRSR ELLSHHFRQQ RVAMMMQQQQ QQQQQQQQQQ
QQQQQQQQQQ QQQQQTQAFS PPPNVTASPS MDGLLAGPTM PQAPPQQFPY QPNYGMGQQP
DPAFGRVSSP PNAMMSSRMG PSQNPMQHP QAASIYQSSE MKGWPSGNLA RNSSFSQQQF
AHQGNPAVYS MVHMGSSGH MGQMNMPMP MSGMPMPDQ KYC

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human NCOA3 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's protparam tool to determine the absorption coefficient of each protein.

Product Details

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none">1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	NCOA3
Alternative Name:	NCOA3 (NCOA3 Products)
Background:	Nuclear receptor coactivator that directly binds nuclear receptors and stimulates the transcriptional activities in a hormone-dependent fashion. Plays a central role in creating a multisubunit coactivator complex, which probably acts via remodeling of chromatin. Involved in the coactivation of different nuclear receptors, such as for steroids (GR and ER), retinoids (RARs and RXRs), thyroid hormone (TRs), vitamin D3 (VDR) and prostanoids (PPARs). Displays histone acetyltransferase activity. Also involved in the coactivation of the NF-kappa-B pathway via its interaction with the NFKB1 subunit.
Molecular Weight:	156.1 kDa Including tag.
UniProt:	Q9Y6Q9
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Regulation of Lipid Metabolism by PPARalpha

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.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be

Application Details

insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process