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NCOA3 Protein (AA 2-1424) (His tag)



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:

SGLGENLDPL ASDSRKRKLP CDTPGQGLTC SGEKRRREQE SKYIEELAEL ISANLSDIDN
FNVKPDKCAI LKETVRQIRQ IKEQGKTISN DDDVQKADVS STGQGVIDKD SLGPLLLQAL
DGFLFVVNRD GNIVFVSENV TQYLQYKQED LVNTSVYNIL HEEDRKDFLK NLPKSTVNGV
SWTNETQRQK SHTFNCRMLM KTPHDILEDI NASPEMRQRY ETMQCFALSQ PRAMMEEGED
LQSCMICVAR RITTGERTFP SNPESFITRH DLSGKVVNID TNSLRSSMRP GFEDIIRRCI
QRFFSLNDGQ SWSQKRHYQE AYLNGHAETP VYRFSLADGT IVTAQTKSKL FRNPVTNDRH
GFVSTHFLQR EQNGYRPNPN PVGQGIRPPM AGCNSSVGGM SMSPNQGLQM PSSRAYGLAD
PSTTGQMSGA RYGGSSNIAS LTPGPGMQSP SSYQNNNYGL NMSSPPHGSP GLAPNQQNIM
ISPRNRGSPK IASHQFSPVA GVHSPMASSG NTGNHSFSSS SLSALQAISE GVGTSLLSTL
SSPGPKLDNS PNMNITQPSK VSNQDSKSPL GFYCDQNPVE SSMCQSNSRD HLSDKESKES
SVEGAENQRG PLESKGHKKL LQLLTCSSDD RGHSSLTNSP LDSSCKESSV SVTSPSGVSS
STSGGVSSTS NMHGSLLQEK HRILHKLLQN GNSPAEVAKI TAEATGKDTS SITSCGDGNV

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 receival 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:
	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.
	 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 gurantee
	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)