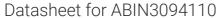
antibodies .- online.com





NCOA2 Protein (AA 2-1464) (His tag)



Overview

| Quantity: | 1 mg |
|-------------------------------|--|
| Target: | NCOA2 |
| Protein Characteristics: | AA 2-1464 |
| Origin: | Human |
| Source: | Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This NCOA2 protein is labelled with His tag. |
| Application: | Western Blotting (WB), ELISA, Crystallization (Crys), SDS-PAGE (SDS) |

Product Details

Sequence:

SGMGENTSDP SRAETRKRKE CPDQLGPSPK RNTEKRNREQ ENKYIEELAE LIFANFNDID NFNFKPDKCA ILKETVKQIR QIKEQEKAAA ANIDEVQKSD VSSTGQGVID KDALGPMMLE ALDGFFFVVN LEGNVVFVSE NVTQYLRYNQ EELMNKSVYS ILHVGDHTEF VKNLLPKSIV NGGSWSGEPP RRNSHTFNCR MLVKPLPDSE EEGHDNQEAH QKYETMQCFA VSQPKSIKEE GEDLQSCLIC VARRVPMKER PVLPSSESFT TRQDLQGKIT SLDTSTMRAA MKPGWEDLVR RCIQKFHAQH EGESVSYAKR HHHEVLRQGL AFSQIYRFSL SDGTLVAAQT KSKLIRSQTT NEPQLVISLH MLHREQNVCV MNPDLTGQTM GKPLNPISSN SPAHQALCSG NPGQDMTLSS NINFPINGPK EQMGMPMGRF GGSGGMNHVS GMQATTPQGS NYALKMNSPS QSSPGMNPGQ PTSMLSPRHR MSPGVAGSPR IPPSQFSPAG SLHSPVGVCS STGNSHSYTN SSLNALQALS EGHGVSLGSS LASPDLKMGN LQNSPVNMNP PPLSKMGSLD SKDCFGLYGE PSEGTTGQAE SSCHPGEQKE TNDPNLPPAV SSERADGQSR LHDSKGQTKL LQLLTTKSDQ MEPSPLASSL SDTNKDSTGS LPGSGSTHGT SLKEKHKILH RLLQDSSSPV DLAKLTAEAT GKDLSQESSS

TAPGSEVTIK QEPVSPKKKE NALLRYLLDK DDTKDIGLPE ITPKLERLDS KTDPASNTKL IAMKTEKEEM SFEPGDQPGS ELDNLEEILD DLQNSQLPQL FPDTRPGAPA GSVDKQAIIN DLMQLTAENS PVTPVGAQKT ALRISQSTFN NPRPGQLGRL LPNQNLPLDI TLQSPTGAGP FPPIRNSSPY SVIPQPGMMG NQGMIGNQGN LGNSSTGMIG NSASRPTMPS GEWAPQSSAV RVTCAATTSA MNRPVQGGMI RNPAASIPMR PSSQPGQRQT LQSQVMNIGP SELEMNMGGP QYSQQQAPPN QTAPWPESIL PIDQASFASQ NRQPFGSSPD DLLCPHPAAE SPSDEGALLD QLYLALRNFD GLEEIDRALG IPELVSQSQA VDPEQFSSQD SNIMLEQKAP VFPQQYASQA QMAQGSYSPM QDPNFHTMGQ RPSYATLRMQ PRPGLRPTGL VQNQPNQLRL QLQHRLQAQQ NRQPLMNQIS NVSNVNLTLR PGVPTQAPIN AQMLAQRQRE ILNQHLRQRQ MHQQQQVQQR TLMMRGQGLN MTPSMVAPSG MPATMSNPRI PQANAQQFPF PPNYGISQQP DPGFTGATTP QSPLMSPRMA HTQSPMMQQS QANPAYQAPS DINGWAQGNM GGNSMFSQQS PPHFGQQANT SMYSNNMNIN VSMATNTGGM SSMNQMTGQI SMTSVTSVPT SGLSSMGPEQ VNDPALRGGN LFPNQLPGMD MIKQEGDTTR 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 NCOA2 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

Product Details

| | the Expasy's protparam tool to determine the absorption coefficient of each protein. |
|-------------------|--|
| Purification: | Two step purification of proteins expressed in baculovirus infected SF9 insect cells: |
| | 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: | NCOA2 |
| Alternative Name: | NCOA2 (NCOA2 Products) |
| Background: | Transcriptional coactivator for steroid receptors and nuclear receptors. Coactivator of the |
| | steroid binding domain (AF-2) but not of the modulating N-terminal domain (AF-1). Required |
| | with NCOA1 to control energy balance between white and brown adipose tissues. Critical |
| | regulator of glucose metabolism regulation, acts as RORA coactivator to specifically modulate |
| | G6PC expression. Involved in the positive regulation of the transcriptional activity of the |
| | glucocorticoid receptor NR3C1 by sumoylation enhancer RWDD3. Positively regulates the circadian clock by acting as a transcriptional coactivator for the CLOCK-ARNTL/BMAL1 |
| | heterodimer (By similarity). {ECO:0000250 UniProtKB:Q61026, |
| | ECO:0000269 PubMed:23508108, ECO:0000269 PubMed:9430642}. |
| Molecular Weight: | 160.0 kDa Including tag. |
| UniProt: | Q15596 |
| Pathways: | Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid |
| | Hormone Receptor Signaling, Nuclear Hormone Receptor Binding, Regulation of Lipid |
| | Metabolism by PPARalpha, Regulation of Leukocyte Mediated Immunity, Positive Regulation o |
| | Immune Effector Process, CXCR4-mediated Signaling Events, Thromboxane A2 Receptor |
| | Signaling |

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 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) |