

Datasheet for ABIN3094179
NOC2L Protein (AA 1-749) (Strep Tag)



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Overview

Quantity:	1 mg
Target:	NOC2L
Protein Characteristics:	AA 1-749
Origin:	Human
Source:	Tobacco (<i>Nicotiana tabacum</i>)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOC2L protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence:	MAAAGSRKRR LAELTVDEFL ASGFDSESES ESENSPQAET REAREAARSP DKPGGSPSAS RRKGRASEHK DQLSRLKDRD PEFYKFLQEN DQSLNFSDS DSSEEEEGPF HSLPDVLEEA SEEEDGAEFG EDGDRVPRGL KGKKNSVPVT VAMVERWKQA AKQRLTPKLF HEVVQAFRAA VATTRGDQES AEANKFQVTD SAAFNALVTF CIRDLIGCLQ KLLFGKVAKD SSRMLQPSSS PLWGKLRVDI KAYLGSAILQ VSCLSETTVL AAVLRHISVL VPCFLTTPKQ CRMLLKRMVI VWSTGEESLR VLAFLVLSRV CRHKKDTFLG PVLKQMYITY VRNCKFTSPG ALPFISFMQW TLTELLALEP GVAYQHAFLY IRQLAIHLRN AMTTRKKETY QSVYNWQYVH CLFLWCRVLS TAGPSEALQP LVYPLAQVII GCIKLIPTAR FYPLRMHCIR ALTLLSGSSG AFIPVLPFIL EMFQQVDFNR KPGRMSSKPI NFSVILKLSN VNLQEKAYRD GLVEQLYDLT LEYLHSQAHC IGFPELVLPV VLQLKSFLRE CKVANYCRQV QLLGKVQEN SAYICSRQR VSGVSEQQA VEAWEKLTRE EGTPLTYYS HWRKLRDREI QLEISGKERL EDLNFPEIKR RKMADRKDED RKQFKDLFDL NSSEEDDTEG FSERGILRPL STRHGVEDDE EDEEEGEEDS SNSEDGDPDA
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EAGLAPGELQ QLAQGPEDEL EDLQLSEDD

Sequence without tag. The proposed Strep-Tag is based on experience s 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 in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:

One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).

Purity:

> 80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Target Details

Target:	NOC2L
Alternative Name:	NOC2L (NOC2L Products)
Background:	<p>Nucleolar complex protein 2 homolog (Protein NOC2 homolog) (NOC2-like protein) (Novel INHAT repressor),FUNCTION: Acts as an inhibitor of histone acetyltransferase activity, prevents acetylation of all core histones by the EP300/p300 histone acetyltransferase at p53/TP53-regulated target promoters in a histone deacetylases (HDAC)-independent manner. Acts as a transcription corepressor of p53/TP53- and TP63-mediated transactivation of the p21/CDKN1A promoter. Involved in the regulation of p53/TP53-dependent apoptosis. Associates together with TP63 isoform TA*-gamma to the p21/CDKN1A promoter.</p> <p>{ECO:0000269 PubMed:16322561, ECO:0000269 PubMed:20123734, ECO:0000269 PubMed:20959462}.</p>
Molecular Weight:	84.9 kDa
UniProt:	Q9Y3T9
Pathways:	Negative Regulation of intrinsic apoptotic 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 guarantee though.
Comment:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.</p> <p>During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. If you have a special request, please contact us.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)