

Datasheet for ABIN3136941

MED24 Protein (AA 1-987) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	MED24
Protein Characteristics:	AA 1-987
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MED24 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MKVVNLKQAI LQAWKERWSD YQWAINMKKF FPKGATWDIL NLAEALLEQA MIGPSPNPLI</p> <p>LSYLKYAISS QMVSCSSVLT AISKFDDFSR DLCVQALLDI MDMFCDRISC HGKAEECIGL</p> <p>CRALLSALHW LLRCTAASAE RLQEGLEAGT PAPGEKQLAL CLQCLEKTLK STKNRALLHI</p> <p>AKLEEASSWT AIEHSLKLG EILANLSNPQ LRSQAERCGT LIRSIPSMIS VHSEQLHKTG</p> <p>FPTIHALILL EGTMNLTGEM QPLVEQLMMV KRMQHIPTPL FVLEIWKACF VGLIESPEGT</p> <p>QELKWTAFY LKIPQVLVKL KKYFHGEKDF TEDVNCAFEF LLKLTPLLDK ADQRCNCDCD</p> <p>NFLLQECNKQ GLLSEVNFAS LVGKRTADRD PQLKSSSEAN IQPNPGLILR AEPTVTNLIK</p> <p>TMDADHSKSP ELLGLVLGHM LSGKSLDLLL AAAAATGKLK SFARKFINLN EFTTHGSGES</p> <p>TKTASVRALL FDISFLMLCH VAQTYGSEVI LSESSSGEEV PFFETWMQTC MPEEGKILNP</p> <p>DHPCFRPDST KVESLVALLN NSSEMMLVQM KWHEACLSIS AAILEILNAW ENGLAFESI</p> <p>QKITDNIKGK VCSLAVCAVA WLVAHVRLMG LDEREKSLQM IRQLAGPLYS ENTLQFYNER</p>

VVIMNSILEH MCADVLQQT A TQIKFPSTGV DTMPYWNLLP PKRPIKEVLT DIFAKVLEKG
WVDSRSIHIL DTLLHMGGVY WFCNNLIKEL LKETRKEHTL RAVQLLYSIF CLDMQQVTLV
LLGHILPGLL TDSSKWHSLM DPPGTALAKL AVWCALSSYS SHKGQASSRQ KKRHREDIED
YVSLFPVEDM QPSKLMRLLS SSDDANILS SPTDRSMNSS LSASQLHTVN MRDPLNRVLA
NLFLLISSIL GSRTAGPHTQ FVQWFMEECV GCLEQDSRGS ILQFMPFTTV SELVKVSAMS
SPKVVLAITD LSLPLGRQVA AKAIAAL

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.

Product Details

- 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: > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Grade: custom-made

Target Details

Target: MED24

Alternative Name: Med24 ([MED24 Products](#))

Background: Mediator of RNA polymerase II transcription subunit 24 (Mediator complex subunit 24) (Thyroid hormone receptor-associated protein 4) (Thyroid hormone receptor-associated protein complex 100 kDa component) (Trap100) (mTRAP100), FUNCTION: Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors (By similarity). Required for basal and activator-dependent transcription. {ECO:0000250, ECO:0000269|PubMed:10406464, ECO:0000269|PubMed:12093747}.

Molecular Weight: 110.0 kDa

UniProt: [Q99K74](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Nuclear Hormone Receptor Binding](#), [Stem Cell Maintenance](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Positive Regulation of Endopeptidase Activity](#)

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: ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from

Application Details

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!

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months