Datasheet for ABIN3136081

MED23 Protein (AA 1-1367) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	MED23
Protein Characteristics:	AA 1-1367
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MED23 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), ELISA, SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	METQLQSIFE EVVKTEIIEE AFPGMFMDTP EDEKTKLISC LAAFRQFWSG LSQESHEQCV QWIVKFIHGQ HSPKRISFLY DCLAMAVETG LLPPRMVCES LINSDSLEWE RTQLWALTFK LVRKIIGGVD YKGVRDLLKA ILEKILTIPN TVSSAVVQQL LAAREVIAYI LERNACLLPA YFAVTEIRKL YPEGKLPHWL LGNLVSDFVD TFRPTARINS ICGRCSLLPV VNNSGAICNS WKLDPATLRF PLKGLLPYDK DLFEPQTALL RYVLEQPYSR DMVCNMLGLN KQHKQRCPVL EDQLVDLVVY AMERSETEEK FDDGGTSQLL WQHLSSQLIF FVLFQFASFP HMVLSLHQKL AGRGLIKGRD HLMWVLLQFI SGSIQKNALA DFLPVMKLFD LLYPEKECIP VPDINKPQST HAFAMTCIWI HLNRKAQNGD STLQIPIPHS LKLHHEFLQQ SLRNKSLQMN DYKIALLCNA YSTNSECFTL PMGALVETIY GNGIMRVPLP GTSCLASASV TPLPMNLLDS LTVHAKMSLI HSIATRVIKL AHTKSSVALA PALVETYSRL LVYMEIESLG IKGFISQLLP TVFKSHAWGI LHTLLEMFSH RMHHIQPHYR VQLLSHLHTL AAVAQTNQNQ LHLCVESTAL RLITALGSSE VQPQFTRFLN

DPKTVLSAES EELNRALILT LARATHVTDF FTGSDSIQGT WCKDILQTIM NFTPHNWASH TLSCFPAPLQ AFFKQNNVPQ ESRFNLKKNV EEEYRKWKSM TDENEIITQF SVQGFPPLFL CLLWKMLLET DHISQIGYKV LERIGARALV AHVRTFADFL VYEFSTSAGG QQLNKCIEIL NDMVWKYNIV TLDRLILCLA MRSHEGNEAQ VCYFIIQLLL LKPNDFRNRV SDFVKENSPE HWLQSDWHTK HMSYHKKYPE KLYFEGLAEQ VDPPVPIQSP YLPIYFGNVC LRFLPVFDIV IHRFLELLPV SKSLETLLDH LGGLYKFHDR PVTYLYNTLH YYEMCLRNRD HLKRKLVHAI IGSLKDNRPQ GWCLSDTYLK HAMNAREDNP WVPEDSYYCK LIGRLVDTMA GKSPGPFPNC DWRFNEFPNP AAHALHVTCV ELMALAVPGK DVGNALLNVV LKSQPLVPRE NITAWMNAIG LIITALPEPY WIVLHDRIVN VISSSSLTSE TEWVGYPFRL FDFTACHQSY SEMSCSYTLA LAHAVWHHSS IGQLSLIPKF LTEALLPVVK TEFQLLYVYH LVGPFLQRFQ QERTRCMIEI GVAFYDMLLN VDQCSTHLNY MDPICDFLYH MKYMFTGDSV KEQVEKIICN LKPALKLRLR FITHISKMEP AVPPQALNSG SPAPQSNQVP ASLPVTQ

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

Product Details

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

Target Details

Target:	MED23
Alternative Name:	Med23 (MED23 Products)
Background:	Mediator of RNA polymerase II transcription subunit 23 (Cofactor required for Sp1 transcriptional activation subunit 3) (CRSP complex subunit 3) (Mediator complex subunit 23) (Protein sur-2 homolog) (mSur-2),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 pre-initiation complex with RNA polymerase II and the general transcription factors (By similarity). Also required for transcriptional activation subsequent to the assembly of the pre-initiation complex. Required for transcriptional activation by adenovirus E1A protein. Required for ELK1-dependent transcriptional activation in response to activated Ras signaling. {ECO:0000250, ECO:0000269|PubMed:11934987, ECO:0000269|PubMed:14759369, ECO:0000269|PubMed:15542641, ECO:0000269|PubMed:15749018}.
Molecular Weight:	156.1 kDa
UniProt:	Q80YQ2

Target Details

Pathways:	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:	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!
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

