

Datasheet for ABIN3093791

MED16 Protein (AA 1-877) (Strep Tag)



[Go to Product page](#)

Overview

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| Quantity: | 250 µg |
| Target: | MED16 |
| Protein Characteristics: | AA 1-877 |
| Origin: | Human |
| Source: | Cell-free protein synthesis (CFPS) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This MED16 protein is labelled with Strep Tag. |
| Application: | ELISA, Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

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| Brand: | AliCE® |
| Sequence: | <p> MCDLRRPAAG GMMDLAYVCE WEKWSKSTHC PSVPLACAWS CRNLIAFTMD LRSDDQDLTR MIHILDTEHP WDLHSIPSEH HEAITCLEWD QSGSRLLSAD ADGQIKCWSM ADHLANSWES SVGSLVEGDP IVALSWLHNG VKLALHVEKS GASSFGEKFS RVKFSPSLTL FGGKPMEGWI AVTVSGLVTV SLLKPSGQVL TSTESLCRLR GRVALADIAF TGGGNIVVAT ADGSSASPVQ FYKVCVSVVS EKCRIDTEIL PSLFMRCTTD LNRKDKFPAI THLKFLARDM SEQVLLCASS QTSSIVECWS LRKEGLPVNN IFQQISPVVG DKQPTILKWR ILSATNDLDR VSAVALPKLP ISLTNTDLKV ASDTQFYPGL GLALAFHDGS VHIVHRLSLQ TMAVFYSSAA PRPVDEPAMK RPRTAGPAVH LKAMQLSWTS LALVGIDSHG KLSVLRLSPS MGHPLEVGLA LRHLLFLLEY CMVTGYDWWDD ILLHVQPSMV QSLVEKLHEE YTRQTAALQQ VLSTRILAMK ASLCKLSPCT VTRVCDYHTK LFLIAISSTL KSLLRPHFLN TPDKSPGDRL TEICKITDV DIDKVMINLK TEEFVLDMNT LQALQQLLQW VGDFVLYLLA SLPNQGSLLR PGHSFLRDGT SLGMLRELMV </p> |

VIRIWGLLLKP SCLPVYTATS DTQDSMSLLF RLLTKLWICC RDEGPASEPD EALVDECCLL
PSQLLIPSLD WLPASDGLVS RLQPKQPLRL QFGRAPTLPG SAATLQLDGL ARAPGQPKID
HLRRLHLGAC PTEECKACTR CGCVTMLKSP NRTTAVKQWE QRWIKNCLAV EGRGPDACVT
SRASEEAPAF VQLGPQSTHH SPRTPRSLDH LHPEDRP

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.

Product Details

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: MED16

Alternative Name: MED16 ([MED16 Products](#))

Background: Mediator of RNA polymerase II transcription subunit 16 (Mediator complex subunit 16) (Thyroid hormone receptor-associated protein 5) (Thyroid hormone receptor-associated protein complex 95 kDa component) (Trap95) (Vitamin D3 receptor-interacting protein complex 92 kDa component) (DRIP92),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. {ECO:0000269|PubMed:10198638, ECO:0000269|PubMed:10235266}.

Molecular Weight: 96.8 kDa

UniProt: [Q9Y2X0](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Nuclear Hormone Receptor Binding](#), [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.

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Application Details

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Restrictions: For Research Use only

Handling

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|------------------|--|
| 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 |