

Datasheet for ABIN3093751

MAGED1 Protein (AA 1-778) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	MAGED1
Protein Characteristics:	AA 1-778
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAGED1 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MAQKMDCGAG LLGFQAEASV EDSALLMQTL MEAIQISEAP PTNQATAAAS PQSSQPPTAN</p> <p>EMADIQVSAA AARPKSAFKV QNATTKGPNV VYDFSQAHNA KDVPNTQPKA AFKSQNATPK</p> <p>GPNAAYDFSQ AATTGELAAN KSEMAFKAQN ATTKVGNAT YNFSQSLNAN DLANSRPKTP</p> <p>FKAWNDDTKA PTADTQTQNV NQAKMATSQA DIETDPGISE PDGATAQTSA DGSQAQNLES</p> <p>RTIIRGKRTR KINNLNVEEN SSGDQRRAPL AAGTWRSAPV PVTTQNPPGA PPNVLWQTPL</p> <p>AWQNPSGWQN QTARQTPPAR QSPPARQTPP AWQNPVAWQN PVIWPNPVIW QNPVIWPNPI</p> <p>VWPGPVVWPN PLAWQNPPGW QTPPGWQTPP GWQGPPDWQG PPDWPLPPDW PLPPDWPLPT</p> <p>DWPLPPDWIP ADWPIPPDWQ NLRPSPNLRP SPNSRASQNP GAAQPRDVAL LQERANKLVK</p> <p>YLMLKDYTKV PIKRSEMLRD IIREYTDVYP EIIRACFVL EKKFGIQLKE IDKEEHLYIL ISTPESLAGI</p> <p>LGTTKDTPKL GLLLVLGVI FMNGNRASEA VLWEALRKMG LRPGVRHPLL GDLRKLITYE</p> <p>FVKQKYLDYR RVPNSNPPEY EFLWGLRSYH ETSKMKVLRF IAEVQKRDPR DWTAQFMEAA</p>

DEALDALDAA AAEEAEARAEA RTRMGIGDEA VSGPWSWDDI EFELLTWDEE GDFGDPWSRI
PFTFWARYHQ NARSRFPQTF AGPIIGPGGT ASANFAANFG AIGFFWVE

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®).

Product Details

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

Grade: custom-made

Target Details

Target: MAGED1

Alternative Name: MAGED1 ([MAGED1 Products](#))

Background: Melanoma-associated antigen D1 (MAGE tumor antigen CCF) (MAGE-D1 antigen) (Neurotrophin receptor-interacting MAGE homolog),FUNCTION: Involved in the apoptotic response after nerve growth factor (NGF) binding in neuronal cells. Inhibits cell cycle progression, and facilitates NGFR-mediated apoptosis. May act as a regulator of the function of DLX family members. May enhance ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex. Plays a role in the circadian rhythm regulation. May act as RORA co-regulator, modulating the expression of core clock genes such as BMAL1 and NFIL3, induced, or NR1D1, repressed. {ECO:0000269|PubMed:20864041}.

Molecular Weight: 86.2 kDa

UniProt: [Q9Y5V3](#)

Pathways: [Neurotrophin Signaling Pathway](#)

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.

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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

Application Details

	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