

Datasheet for ABIN3118083

C-Type Lectin Domain Family 4, Member M (CLEC4M) (AA 1-399) protein (Strep Tag)



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Overview

Quantity:	250 µg
Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Protein Characteristics:	AA 1-399
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	Strep Tag
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

Product Details

Brand:	AliCE®
Sequence:	<p>MSDSKEPRVQ QLGLLEEDPT TSGIRLFPRD FQFQQIHGHK SSTGCLGHGA LVLQLLSFML LAGVLVAILV QVSKVPSSLS QEQSEQDAIY QNLTQLKAAV GELSEKSKLQ EIYQELTQLK AAGGELPEKS KLQEIQELT RLKAAVGELP ESKLQEIYQ ELTRLKAAVG ELPEKSKLQE IYQELTRLKA AVGELPEKSK LQEIQELTE LKAAVGELPE KSKLQEIYQE LTQLKAAVGE LPDQSKQQI YQELTDLKTA FERLCRHCPK DWTFQGNKY FMSNSQRNWH DSVTACQEV AQLVVIKTAE EQNFLQLQTS RSNRFSWMGL SDLNQEGTWQ WVDGSPLSPS FQRYWNSGEP NNSGNEDCAE FSGSGWNDNR CDVDNYWICK KPAACFRDE</p> <p>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.</p>
Characteristics:	Key Benefits:

Product Details

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

Target Details

Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
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Target Details

Alternative Name:	CLEC4M (CLEC4M Products)
Background:	<p>C-type lectin domain family 4 member M (CD209 antigen-like protein 1) (DC-SIGN-related protein) (DC-SIGNR) (Dendritic cell-specific ICAM-3-grabbing non-integrin 2) (DC-SIGN2) (Liver/lymph node-specific ICAM-3-grabbing non-integrin) (L-SIGN) (CD antigen CD299),FUNCTION: Probable pathogen-recognition receptor involved in peripheral immune surveillance in liver. May mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. Is a receptor for ICAM3, probably by binding to mannose-like carbohydrates. {ECO:0000269 PubMed:11257134}., FUNCTION: (Microbial infection) Acts as an attachment receptor for Ebolavirus. {ECO:0000269 PubMed:12050398, ECO:0000269 PubMed:12502850}., FUNCTION: (Microbial infection) Acts as an attachment receptor for Hepatitis C virus. {ECO:0000269 PubMed:15371595, ECO:0000269 PubMed:16816373}., FUNCTION: (Microbial infection) Acts as an attachment receptor for HIV-1. {ECO:0000269 PubMed:12502850, ECO:0000269 PubMed:21203928}., FUNCTION: (Microbial infection) Acts as an attachment receptor for Human coronavirus 229E. {ECO:0000269 PubMed:17037540}., FUNCTION: (Microbial infection) Acts as an attachment receptor for Human cytomegalovirus/HHV-5. {ECO:0000269 PubMed:12433371}., FUNCTION: (Microbial infection) Acts as an attachment receptor for Influenzavirus. {ECO:0000269 PubMed:21191006}., FUNCTION: (Microbial infection) Acts as an attachment receptor for SARS-CoV. {ECO:0000269 PubMed:15479853}., FUNCTION: (Microbial infection) Acts as an attachment receptor for West-nile virus. {ECO:0000269 PubMed:15479853}., FUNCTION: (Microbial infection) Acts as an attachment receptor for Japanese encephalitis virus. {ECO:0000269 PubMed:24623090}., FUNCTION: (Microbial infection) Acts as an attachment receptor for Marburg virus glycoprotein. {ECO:0000269 PubMed:15479853}., FUNCTION: (Microbial infection) Recognition of M.bovis by dendritic cells may occur partially via this molecule. {ECO:0000269 PubMed:21277928}.</p>

Molecular Weight:	45.4 kDa
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UniProt:	Q9H2X3
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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 <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce

Application Details

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Restrictions:	For Research Use only
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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