Datasheet for ABIN7553516

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

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Overview

Quantity:	1 mg
Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Protein Characteristics:	AA 1-399
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat CLEC4M Protein expressed in mammalien cells.
Sequence:	MSDSKEPRVQ QLGLLEEDPT TSGIRLFPRD FQFQQIHGHK SSTGCLGHGA LVLQLLSFML LAGVLVAILV QVSKVPSSLS QEQSEQDAIY QNLTQLKAAV GELSEKSKLQ EIYQELTQLK AAVGELPEKS KLQEIYQELT RLKAAVGELP EKSKLQEIYQ ELTRLKAAVG ELPEKSKLQE IYQELTRLKA AVGELPEKSK LQEIYQELTE LKAAVGELPE KSKLQEIYQE LTQLKAAVGE LPDQSKQQQI YQELTDLKTA FERLCRHCPK DWTFFQGNCY FMSNSQRNWH DSVTACQEVR AQLVVIKTAE EQNFLQLQTS RSNRFSWMGL SDLNQEGTWQ WVDGSPLSPS FQRYWNSGEP NNSGNEDCAE FSGSGWNDNR CDVDNYWICK KPAACFRDE **Sequence without tag. The proposed Purification-Tag is based on experiences 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:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalien cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Alternative Name:	CLEC4M (CLEC4M Products)
Background:	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

Target Details

	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}.
Molecular Weight:	45.4 kDa
UniProt:	Q9H2X3

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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months