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Datasheet for ABIN7553473

CLEC4G Protein (AA 1-293) (His tag)

Overview

Quantity:	1 mg
Target:	CLEC4G
Protein Characteristics:	AA 1-293
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLEC4G protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CLEC4G Protein expressed in mammalian cells.
Sequence:	MDTTRYSKWG GSSEVPGGP WGRWVHWSRR PLFLALAVLV TTVLWAVILS ILLSKASTER AALLDGHDLL RTNASKQTAA LGALKEEVDG CHSCCSGTQA QLQTTRAEELG EAQAKLMEQE SALRELRERV TQGLAEAGRG REDVRETEFR ALEAVRLQNN SCEPCPTSWL SFEGSCYFFS VPKTTWAAAQ DHCADASAHL VIVGGLDEQG FLTRNTRGRG YWLGLRAVRH LGKVQGYQWV DGVSLFSHW NQGEPNDAWG RENCVMMLHT GLWNDAPCDS EKDGWICEKR HNC 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	CLEC4G
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Alternative Name:	CLEC4G (CLEC4G Products)
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Background:	C-type lectin domain family 4 member G (Liver and lymph node sinusoidal endothelial cell C-type lectin) (LSECTin),FUNCTION: Binds mannose, N-acetylglucosamine (GlcNAc) and fucose, but not galactose, in a Ca(2+)-dependent manner, in vitro. {ECO:0000269 PubMed:14711836},. FUNCTION: (Microbial infection) Acts as a receptor for Japanese encephalitis virus. {ECO:0000269 PubMed:24623090},. FUNCTION: (Microbial infection) Acts as a receptor for Ebolavirus. {ECO:0000269 PubMed:16051304},. FUNCTION: (Microbial infection) Acts as a receptor for SARS-CoV. {ECO:0000269 PubMed:16051304},. FUNCTION: (Microbial infection) Acts as a receptor for Lassa virus and Lymphocytic choriomeningitis virus glycoprotein (PubMed:22156524, PubMed:22673088). {ECO:0000269 PubMed:22156524, ECO:0000269 PubMed:22673088}.
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Molecular Weight:	32.6 kDa
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UniProt:	Q6UXB4
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Application Details

Application Notes: We expect the protein to work for functional studies. 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
