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Datasheet for ABIN2444087

CLEC4G Protein (AA 55-293) (Fc Tag)

1 Image

1 Publication

Overview

Quantity:	50 µg
Target:	CLEC4G
Protein Characteristics:	AA 55-293
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLEC4G protein is labelled with Fc Tag.

Product Details

Sequence:	AA 55-293
Characteristics:	This protein carries a human IgG1 Fc tag at the N-terminus. The protein has a calculated MW of 52.1 kDa. The protein migrates as 65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>85 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CLEC4G
Alternative Name:	LSECTin (CLEC4G Products)
Background:	C-type lectin superfamily 4, member G (CLEC4G) is also known as liver and lymph node sinusoidal endothelial cell C-type lectin (LSECTin), which is a member of subgroup II of the C-

Target Details

type (Ca²⁺-dependent) lectin superfamily. CLEC4G / LSECtin binds to mannose, GlcNAc, and fucose in a Ca²⁺-dependent manner. In addition, CLEC4G / LSECtin has the ability to bind to surface glycoproteins of enveloped viruses. In particular, interaction of LSECtin with the surface glycoproteins of severe acute respiratory syndrome (SARS) coronavirus and Ebola virus has been described, and LSECtin-mediated infection of cells by Ebola virus has been demonstrated.

Molecular Weight: 52.1 kDa

NCBI Accession: [NP_940894](#)

UniProt: [Q6UXB4](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 50 mM Tris, 100 mM Glycine, pH 7.5

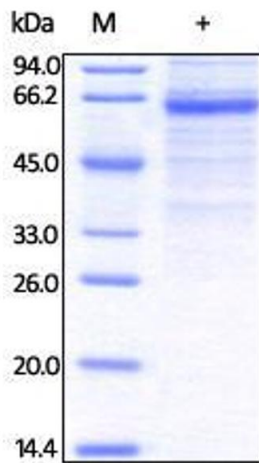
Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -71 °C. Avoid repeated freeze-thaw cycles.

Publications

Product cited in: Grzeschik, Hinz, Könning, Pirzer, Becker, Zielonka, Kolmar: "A simplified procedure for antibody engineering by yeast surface display: Coupling display levels and target binding by ribosomal skipping." in: **Biotechnology journal**, Vol. 12, Issue 2, (2017) ([PubMed](#)).



SDS-PAGE

Image 1. Human LSECtin, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 85%.