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Datasheet for ABIN7504305

C-Type Lectin Domain Family 4, Member M (CLEC4M) (AA 71-399) protein (His-DYKDDDDK Tag)

Overview

Quantity:	100 µg
Target:	C-Type Lectin Domain Family 4, Member M (CLEC4M)
Protein Characteristics:	AA 71-399
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His-DYKDDDDK Tag

Product Details

Purpose:	Human CLEC4M/CD299 Protein
Sequence:	Gln71-Glu399
Characteristics:	Recombinant Human CLEC4M/CD299 Protein is expressed from HEK293 with His tag and Flag tag at the N-terminus. It contains Gln71-Glu399.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

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

Target Details

Background: CLEC4M, also known as DC-SIGNR, L-SIGN or CD209L, is a Ca²⁺-dependent C-type lectin. CLEC4M and its homologue DC-SIGN are encoded by the closely related lectin gene cluster on chromosome 19p13.3. Higher expression of CLEC4M is associated with poor clinical prognosis in lung cancer patients and enhances the resistance of NSCLC cells to cisplatin. Inhibition of CLEC4M expression significantly increased cisplatin sensitivity, suggesting potential clinical significance for targeting CLEC4M in overcoming cisplatin resistance.

Molecular Weight: 39.81 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months