

## Recombinant Human CLEC4M Protein, His-tagged

Cat. No. CLEC4M-07H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant CLEC4M protein produced in HEK293 cells and purified from culture supernatant. Protein contains an N-terminal 6xHis-tag.

**Species** Human

**Source** HEK293

**Description** This gene encodes a C-type lectin that functions in cell adhesion and pathogen recognition. This receptor recognizes a wide range of evolutionarily divergent pathogens with a large impact on public health, including tuberculosis mycobacteria, and viruses including Ebola, hepatitis C, HIV-1, influenza A, West Nile virus and the SARS-CoV acute respiratory syndrome coronavirus. The protein is organized into four distinct domains: a C-terminal carbohydrate recognition domain, a flexible tandem-repeat neck domain of variable length, a transmembrane region and an N-terminal cytoplasmic domain involved in internalization. This gene is closely related in terms of both sequence and function to a neighboring gene, CD209 (Gene ID: 30835), also known as DC-SIGN. The two genes differ in viral recognition and expression patterns, with this gene showing high expression in endothelial cells of the liver, lymph node and placenta. Polymorphisms in the tandem repeat neck domain are associated with resistance to SARS infection.

**Form** Liquid, 0.2µm filter sterilised

**Purity** Greater than 95% purity by SDS-PAGE

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<b>Stability</b>	At 4 centigrade: not tested At -80 centigrade: 1 years
<b>Storage</b>	Short Term Storage: 2-8 centigrade Long Term Storage: -80 centigrade
<b>Concentration</b>	0.52 mg/mL
<b>Storage Buffer</b>	DPBS, pH7.4.
<b>Shipping</b>	Dry Ice

## GENE INFORMATION

<b>Gene Name</b>	CLEC4M C-type lectin domain family 4 member M [ Homo sapiens (human) ]
<b>Official Symbol</b>	CLEC4M
<b>Synonyms</b>	CLEC4M; C-type lectin domain family 4 member M; CD299; LSIGN; CD209L; L-SIGN; DCSIGNR; HP10347; DC-SIGN2; DC-SIGNR; C-type lectin domain family 4 member M; CD209 antigen-like protein 1; CD299 antigen; DC-SIGN-related protein; dendritic cell-specific ICAM-3-grabbing non-integrin 2; liver/lymph node-specific ICAM-3 grabbing non-integrin; mannose binding C-type lectin DC-SIGNR
<b>Gene ID</b>	10332
<b>mRNA Refseq</b>	NM_014257
<b>Protein Refseq</b>	NP_055072
<b>MIM</b>	605872

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**UniProt ID**

Q9H2X3

**SDS-PAGE**

SDS-PAGE showing 1µg purified CLEC4M protein (indicated by arrow).

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