

## Recombinant Human CLEC4M Protein, His-tagged

Cat. No. CLEC4M-007H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CLEC4M Protein with His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>Dendritic cells (DC) are antigen-presenting immune system cells that are present on peripheral mucosal tissues and migrate to lymphoid tissues. DC-SIGN (DC-specific ICAM-3 grabbing nonintegrin) is a type II membrane protein that is exclusively expressed by DC. DC-SIGN, also designated CD209, binds to ICAM-3 to mediate the initial interaction between DC and resting T cells through the immunological synapse. The DC that are present in the initial sites of HIV-1 infection capture HIV-1 through DC-SIGN, which then facilitates the migration of DC to areas of T cell-rich secondary lymphoid organs, where it promotes efficient trans HIV-1 infection of these T cells. DC-SIGNR (DC-SIGNrelated molecule), also designated CD209L and L-SIGN (liver/lymph nodespecific ICAM-3 grabbing nonintegrin), is a type II integral membrane protein that is 77% identical to DC-SIGN. It is expressed on sinusoidal endothelial cells and binds the E2 glycoproteins of the hepatitis C virus.</p>
<b>Molecular Mass</b>	~38 kDa
<b>AA Sequence</b>	<p>MQVSKVPSSLSQEQSEQDAIQNLTLKAAVGELSEKSKLQEIYQELTQLKAAVGEL            PEKSKLQEIYQELTRLKAAVGELPEKSKLQEIYQELTRLKAAVGELPEKSKLQEIYQEL            TRKAAVGELPEKSKLQEIYQELTELKAAVGELPEKSKLQEIYQELTQLKAAVGELPD</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QSKQQQIYQELTDLKTAFERLCRHCPKDWTFQGNCYFMSNSQRNWHDSVTACQ  
 EVRAQLVVIKTAEEQNFLQLQTSRSNRFSWMGLSDLNQEGLTWQWVDGSPSPSQ  
 RYWNSGEPNNSGNEDCAEFSGSGWWDNRCDVDNYWICKKPAACFRDE

**Purity**

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

**Notes**

For research use only, not for use in diagnostic procedure.

**Storage**

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

**Storage Buffer**

PBS, 4M Urea, pH7.4

## GENE INFORMATION

**Gene Name**

CLEC4M C-type lectin domain family 4, member M [ Homo sapiens (human) ]

**Official Symbol**

CLEC4M

**Synonyms**

CLEC4M; C-type lectin domain family 4, member M; CD209L, CD299, CD299 antigen; C-type lectin domain family 4 member M; DC SIGN2; DC SIGNR; DCSIGNR; HP10347; LSIGN; CD299 antigen; DC-SIGN-related protein; CD209 antigen-like protein 1; mannose binding C-type lectin DC-SIGNR; dendritic cell-specific ICAM-3-grabbing non-integrin 2; liver/lymph node-specific ICAM-3 grabbing non-integrin; liver/lymph node-specific ICAM-3-grabbing non-integrin; CD299; CD209L; L-SIGN; DC-SIGN2; DC-SIGNR; MGC47866; MGC129964;

**Gene ID**

10332

**mRNA Refseq**

NM\_001144904

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Protein Refseq** NP\_001138376

**MIM** 605872

**UniProt ID** Q9H2X3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA