

Recombinant Human CLEC4M Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CLEC4M Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Molecular Mass	~38 kDa
AA Sequence	MQVSKVPSSLSQEQSEQDAIQNLTLKAAVGELSEKSKLQEIYQELTLKAAVGEL PEKSKLQEIYQELTRLKAAVGELPEKSKLQEIYQELTRLKAAVGELPEKSKLQEIYQEL TRKAAVGELPEKSKLQEIYQELTELKAAVGELPEKSKLQEIYQELTLKAAVGELPD

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QSKQQQIYQELTDLKTAFERLCRHCPKDWTFQGNCFMSNSQRNWHDSVTACQ
 EVRAQLVVIKTAEEQNFLQLQTSRNRFSWMGLSDLNQEGTWQWVDGSPLSPSFQ
 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

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Protein Refseq	NP_001138376
MIM	605872
UniProt ID	Q9H2X3

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