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 6×His-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 then 95% purity by SDS-PAGE

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

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; 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
Gene ID	10332
mRNA Refseq	NM_014257
Protein Refseq	NP_055072
MIM	605872

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UniProt ID	Q9H2X3

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