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**Product Data Sheet**


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Product Name: CLEC4M Human

Cat. No.: GP26259

Batch No.: 1

**Product Data**

Purity &gt;98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms CD209 antigen-like protein 1, DC-SIGN-related protein, Dendritic cell-specific ICAM-3-grabbing non-integrin 2, Liver/lymph node-specific ICAM-3-grabbing non-integrin, DC-SIGNR, DC-SIGN2, L-SIGN, CD299, CLEC4M, CD209L, CD209L1, CD299, HP10347

Amino Acid Sequence  
 ADPVSKVPSS LSQEQSEQDA IYQNLTQLKA AVGELSEKSK LQEIQELTQ  
 LKAAVGELPE KSKLQEIQE LTRLKAAVGE LPEKSKLQEI YQELTRLKAA  
 VGELPEKSKL QEIQELTRL KAAVGELPEK SKLQEIQEL TELKAAVGEL  
 PEKSKLQEIQE QELTQLKAAV GELPDQSKQQ QIQELTDLK TAFERLCRHC  
 PKDWTFQGN CYFMSNSQRN WHDSVTACQE VRAQLVVIKT AEEQNFLQLQ  
 TSRSNRFSWM GLSDLNQEGT WQWVDGSPLS PSFQRYWNSG EPNNSGNEDC  
 AEFSGSGWND NRCDVDNYWI CKKPAACFRD ELEPKSCDKT HTCPPCPAPE  
 LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE  
 VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE  
 KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES  
 NGQPENNYKT TPPVLDSGGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH  
 NHYTQKSLSL SPGKHHHHHH

Formulation The CLEC4M solution (0.5mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.

**Introduction**

C-type Lectin Domain Family 4, Member M (CLEC4M) is a type II integral membrane protein and a pathogen-recognition receptor which takes part in peripheral immune surveillance in liver. CLEC4M mediates the endocytosis of pathogens which are then degraded in lysosomal compartments. CLEC4M is a receptor for ICAM3, binding to mannose-like carbohydrates and also recognizes various evolutionarily divergent

**Caution: Product has not been fully validated for medical applications. For research use only.**

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pathogens with a large impact on public health, including tuberculosis mycobacteria, and viruses which among them are Ebola, hepatitis C, influenza A, HIV-1, West Nile virus and the SARS-CoV acute respiratory syndrome coronavirus.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

CLEC4M Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 570 amino acids (72-399 a.a) and having a molecular mass of 64.8kDa. CLEC4M is fused to a 239 amino acid hIgG-His-Tag at C-terminus & purified by proprietary chromatographic techniques.

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