

32-13756: CLEC4M Human

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

Description

Source:Sf9, Baculovirus cells.

Physical Appearance:Sterile filtered colorless solution.

Biological Activity:null

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 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.

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 HisG-His-Tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	20 µg / 5 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Storage condition :	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.
Amino Acid :	ADPVSKVPSS LSQEQSEQDA IYQNLTLKA AVGELSEKSK LQEIQELTQ LKA AVGELPE KSKLQEIQE LTRLKAAVGE LPEKSKLQEI YQELTRLKAA VGELPEKSKL QEIQELTRL KAAVGELPEK SKLQEIQEL TELKAAVGEL PEKSKLQEIQ QELTLKAAV GELPDQSKQQ QIQELTDLK TAFERLCRHC PKDWTFFQGN CYFMSNSQRN WHDSVTACQE VRAQLVVIKT AEEQNFLQLQ TSRSNRF SWM GLSDLNQEGT WQWVDGSPLS PSFQRYWNSG EPNNSGNE DC AEFSGSGWND NRCDVDNYWI CKKPAACFRD ELEPKSCDKT HTCPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKG FY PSDIAVEWES NGQPENNYKT TPPVLDS DGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSL SPGKHHHHHH