

CLEC4C Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78387
Synonyms:	BDCA-2; BDCA2; CLECSF11; CLECSF7; DLEC; HECL; CLEC4C; CD303; BDCA2MGC125791; CD303; CLECSF11PRO34150; DLEC; DLECMGC125792; HECLMGC125793; MGC125789; PRO34150
Species:	Human
Source:	HEK293
Accession:	Q8WTT0 (F46-I213)
Gene ID:	170482
Molecular Weight:	33-40 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 20 mM Tris, 500 mM NaCl, 200 mM Arginine, pH 8.2.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The CLEC4C protein functions as a lectin-type cell surface receptor and is implicated in antigen capturing by dendritic cells. It specifically recognizes non-sialylated galactose-terminated biantennary glycans that contain the trisaccharide epitope Gal(beta1-3/4)GlcNAc(beta1-2)Man. Additionally, CLEC4C binds to serum IgG and efficiently targets ligands into antigen-processing and peptide-loading compartments for presentation to T-cells. Notably, it may mediate potent inhibition of the induction of IFN-alpha/beta expression in plasmacytoid dendritic cells and act as a signaling receptor, activating protein-tyrosine kinases and mobilizing intracellular calcium. The protein forms homodimers, underscoring its potential significance in cellular signaling and immune response modulation.
------------	---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA