

CD209 (Human) Recombinant Protein

Catalog # P9353

Size 2 x 10 ug

Specification

Product Description	Human CD209 partial recombinant protein with hlgG-His tag in C-terminus expressed in Baculovirus cells.
Sequence	ADPVSKVPSSISQEQSRQDAIQNLTLKAAVGELSEKSKLQEIYQELTLKAAVGELPEKSKLQEIYQELTRLKAAVGELPEKSKLQEIYQELTWLKAAVGELPEKSKMQEIYQELTRLKAAVGELPEKSKQQEIYQELTRLKAAVGELPEKSKQQEIYQELTRLKAAVGELPEKSKQQEIYQELTLKAAVERLCHPCPWEWTFQGNCFMSNSQRNWHDSITACKEVGAQLVVIKSAEEQNFLQLQSSRSNRFTWMGLSDLNQEGTWQWVDGSPLLPSFKQYWNRGEPNNVGEEDCAEFSGNGWNDDKCNLAKFWICKSAASCSRDEEQFLSPAPATPNPPPAVEPKSCDKTHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSQSVMEALHNHYTQKSLSLSPGKHHHHHHH
Host	Viruses
Theoretical MW (kDa)	66.5
Form	Liquid
Preparation Method	Baculovirus expression system
Purification	chromatographic
Purity	> 90% as determined by SDS-PAGE.
Storage Buffer	Solution (0.25 mg/mL) containing 1X PBS, pH 7.4, 10% glycerol.
Storage Instruction	Store at 4°C for one weeks and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — CD209

Entrez GeneID [30835](#)

Protein Accession# [Q9NNX6](#)

Gene Name CD209

Gene Alias CDSIGN, CLEC4L, DC-SIGN, DC-SIGN1, MGC129965

Gene Description CD209 molecule

Omim ID [604672](#) [607948](#) [609423](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a transmembrane receptor and is often referred to as DC-SIGN because of its expression on the surface of dendritic cells and macrophages. The encoded protein is involved in the innate immune system and recognizes numerous evolutionarily divergent pathogens ranging from parasites to viruses with a large impact on public health. The protein is organized into three distinct domains: an N-terminal transmembrane domain, a tandem-repeat neck domain and C-type lectin carbohydrate recognition domain. The extracellular region consisting of the C-type lectin and neck domains has a dual function as a pathogen recognition receptor and a cell adhesion receptor by binding carbohydrate ligands on the surface of microbes and endogenous cells. The neck region is important for homo-oligomerization which allows the receptor to bind multivalent ligands with high avidity. Variations in the number of 23 amino acid repeats in the neck domain of this protein are rare but have a significant impact on ligand binding ability. This gene is closely related in terms of both sequence and function to a neighboring gene (GeneID 10332; often referred to as L-SIGN). DC-SIGN and L-SIGN differ in their ligand-binding properties and distribution. Alternative splicing results in multiple variants

Other Designations

C-type lectin domain family 4, member L|CD209 antigen|Dendritic cell-specific intracellular adhesion molecules (ICAM)-3 grabbing non-integrin

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Arthritis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Bronchiolitis](#)
- [Celiac Disease](#)
- [Colitis](#)

- [Crohn Disease](#)
- [Cytomegalovirus Infections](#)
- [Dengue](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hemophilia A](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [HTLV-I Infections](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Lymphadenitis](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mycobacterium Infections](#)
- [Nasopharyngeal Neoplasms](#)
- [Periodontitis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Severe Acute Respiratory Syndrome](#)

- [Sexually Transmitted Diseases](#)
- [Tuberculosis](#)