

CLEC4A / CLECSF6 / DCIR recombinant protein

Recombinant Human CLEC4A / CLECSF6 / DCIR Protein (His tag)

CATALOG # AAA173546	HOST Human Cells
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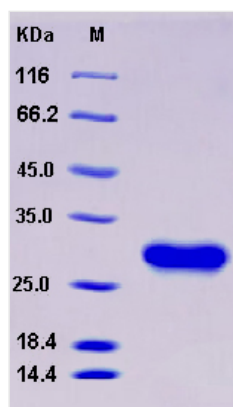
PRODUCT SYNONYMS

CLEC4A / CLECSF6 / DCIR; Recombinant Human CLEC4A / CLECSF6 / DCIR Protein (His tag); HDCGC13P; CLECSF6; DCIR; DDB27; LLIR; CLEC4A; CLEC4A / CLECSF6 / DCIR recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	> 95 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5%trehalose, 5%mannitol, 0.01%Tween80.
Source	Human
Predicted N terminal	His
Molecular Mass	The recombinant human CLEC4A consists of 184 amino acids and has a calculated molecular mass of 22 kDa. In SDS-PAGE under reducing conditions, rhCLEC4A migrates as an approximately 28 kDa band due to glycosylation.
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method.
Protein Consunstration	A DNA sequence encoding the human CLEC4A (NP_001128530.1) extracellular domain (Gln 70-Leu 237) was expressed, with a polyhistidine tag at the N-terminus
Reconstitution	It is recommended that sterile water (80 ul) be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Storage: Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted and be used as soon as possible. Avoid repeated freeze-thaw cycles. Stability: Samples are stable for up to twelve months from date of receipt at -70°C

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CLEC4A / CLECSF6 / DCIR recombinant protein	Dendritic cell immunoreceptor (DCIR), also known as C-type lectin domain family 4 member A (CLEC4A), C-type lectin superfamily member 6 (CLECSF6), is a single-pass type II C-type lectin receptor expressed mainly in dendritic cells (DCs), which is a negative regulator of DC expansion and has a crucial role in maintaining the homeostasis of the immune system. The Dectin-2 family of C-type lectins that includes Dectin-2, BDCA-2, DCIR, DCAR, Clecsf8 and Mincle. These type II receptors contain a single extracellular carbohydrate recognition domain and have diverse functions in both immunity and homeostasis. DCIR is the only member of the family which contains a cytoplasmic signalling motif and has been shown to act as an inhibitory receptor, while BDCA-2, Dectin-2, DCAR and Mincle all associate with FcRgamma chain to induce cellular activation, including phagocytosis and cytokine production. Dectin-2 and Mincle have been shown to act as pattern recognition receptors for fungi, while DCIR acts as an attachment factor for HIV. In addition to pathogen recognition, DCIR has been shown to be pivotal in preventing autoimmune disease by controlling dendritic cell proliferation. DCIR expressed on antigen presenting cells and granulocytes and acts as an inhibitory receptor via an intracellular immunoreceptor tyrosine-based inhibitory motif (ITIM). It may also be involved via its ITIM motif in the inhibition of B-cell-receptor-mediated calcium mobilization and protein tyrosine phosphorylation. Additionally, DCIR can participate in the capture of HIV-1 and promote infection in trans and in cis of autologous CD4 (+) T cells from human immature monocyte-derived DCs. DCIR acts as a ligand for HIV-1 and is involved in events leading to productive virus infection. Description: A DNA sequence encoding the human CLEC4A (NP_001128530.1) extracellular domain (Gln 70-Leu 237) was expressed, with a polyhistidine tag at the N-terminus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	205277471
NCBI GeneID	1690
NCBI Accession #	NP_001128530.1
NCBI GenBank Nucleotide #	NM_001135058.1
UniProt Accession #	O43405; Q96IU6; A8K9K9; D3DS84
NCBI Official Full Name	cochlin isoform b
NCBI Official Synonym Full Names	cochlin
NCBI Official Symbol	COCH
NCBI Official Synonym Symbols	DFNA9; COCH5B2; COCH-5B2
NCBI Protein Information	cochlin
UniProt Protein Name	Cochlin
UniProt Gene Name	COCH
UniProt Synonym Gene Names	COCH5B2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/coch-recombinant-protein-human-cells/173546>