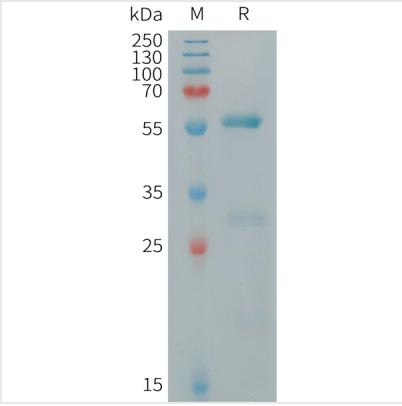
CLEC4A Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CLEC4A, Recombinant Protein
Full Product Name	Human CLEC4A Protein, hFc Tag
Product Gene Name	CLEC4A recombinant protein
Product Synonym Names	CD367; CLECSF6; DCIR; DDB27; HDCGC13P; hDCIR; LLIR
Sequence	hFc(Glu99- Ala330) CLEC4A(Gln 70-Leu237)
Host	HEK293
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization.
Purity/Purification	Purified from cell culture supernatant by affinity chromatography The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing).
Molecular Weight	237
OMIM	605306
3D Structure	ModBase 3D Structure for Q9UMR7
Tag	N-Human Fc Tag
Product Categories/Family for CLEC4A recombinant protein	ECD 1182; ECD Proteins
Related Product Information for CLEC4A recombinant protein	Recombinant Human CLEC4A Protein with N-terminal human Fc tag This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. The encoded type 2 transmembrane protein may play a role in inflammatory and immune response. Multiple transcript variants encoding distinct isoforms have been identified for this gene. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. [provided by RefSeq, Jul 2008]
Other Notes	Small volumes of CLEC4A recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CLEC4A purchase	MBS189455 is a recombinant protein targeting CLEC4A. Also known as Human CLEC4A Protein, hFc Tag. Host: HEK293.



SDS-Page of CLEC4A recombinant protein
Figure 1.Human CLEC4A Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLEC4A. It may not necessarily be applicable to this product.

NCBI GI #	59797977
NCBI GeneID	50856
NCBI Accession #	Q9UMR7.1
UniProt Primary Accession #	Q9UMR7
UniProt Secondary Accession #	Q17R69; Q8WXW9; Q9H2Z9; Q9NS33; Q9UI34
UniProt Related Accession #	Q9UMR7
NCBI Official Full Name	C-type lectin domain family 4 member A
NCBI Official Synonym Full Names	C-type lectin domain family 4, member A
NCBI Official Symbol	CLEC4A
NCBI Official Synonym Symbols	DCIR; LLIR; DDB27; CLECSF6; HDCGC13P
UniProt Protein Name	C-type lectin domain family 4 member A
UniProt Synonym Protein Names	C-type lectin DDB27; C-type lectin superfamily member 6; Dendritic cell immunoreceptor; Lectin-like immunoreceptor
Protein Family	C-type lectin domain family
UniProt Gene Name	CLEC4A
UniProt Synonym Gene Names	CLECSF6; DCIR; LLIR
UniProt Entry Name	CLC4A_HUMAN
NCBI Protein Information	C-type lectin domain family 4 member A; C-type lectin DDB27; lectin-like immunoreceptor; dendritic cell immunoreceptor; C-type lectin superfamily member 6; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 6
NCBI Summary for CLEC4A	This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. The encoded type 2 transmembrane protein may play a role in inflammatory and immune response. Multiple transcript variants encoding distinct isoforms have been identified for this gene. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. [provided by RefSeq, Jul 2008]

UniProt Comments for CLEC4A	CLEC4A: May be involved in regulating immune reactivity. May play a role in modulating dendritic cells (DC) differentiation and/or maturation. May be involved via its ITIM motif (immunoreceptor tyrosine-based inhibitory motifs) in the inhibition of B-cell-receptor-mediated calcium mobilization and protein tyrosine phosphorylation. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 12p13 Cellular Component: integral to plasma membrane Molecular Function: transmembrane receptor activity; carbohydrate binding Biological Process: cell surface receptor linked signal transduction; innate immune response; cell adhesion
Research Articles on CLEC4A	**1.** this study shows that sulfo-Lewis(a) is a high affinity ligand for DCIR and that DCIR interacts with ligands from both pathogenic and endogenous origin of which most are shared by DC-SIGN.
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