

Datasheet for ABIN7320341

**C-Type Lectin Domain Family 6, Member A (CLEC6A) (Active)
protein (His tag)**[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	C-Type Lectin Domain Family 6, Member A (CLEC6A)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Recombinant Mouse CLEC6A/Dectin-2 Protein (His Tag)(Active)
Sequence:	Ile 44-Leu 209
Characteristics:	A DNA sequence encoding the mouse CLEC4N (NP_064385.1) extracellular domain (Ile 44-Leu 209) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to agglutinate human red blood cells. Mouse CLEC4N at 25 µg/ml could agglutinate 1 % HRBC.

Target Details

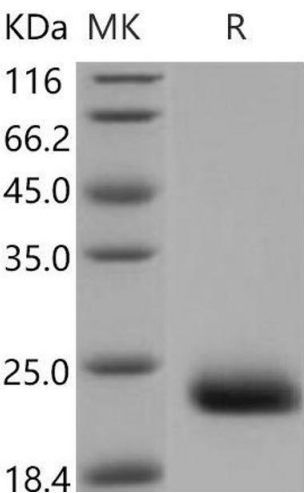
Target:	C-Type Lectin Domain Family 6, Member A (CLEC6A)
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Target Details

Alternative Name:	CLEC6A/Dectin-2 (CLEC6A Products)
Background:	<p>Background: C-type lectin domain family 4 member N (CLEC4N), also known as Dectin-2, is a C-type lectin expressed by dendritic cells (DCs) and macrophages. Members of the C-type lectin domain (CTLD) superfamily are metazoan proteins functionally important in glycoprotein metabolism, mechanisms of multicellular integration and immunity. They share a common fold and are involved in a variety of functions, such as generalized defense mechanisms against foreign agents, discrimination between healthy and pathogen-infected cells, and endocytosis and blood coagulation. Genome-level studies on human, elegans and melanogaster demonstrated almost complete divergence among invertebrate and mammalian families of CTLD-containing proteins (CTLDcps). The vertebrate CTLDcp family was essentially formed early in vertebrate evolution and is completely different from the invertebrate families. The composition of the CTLDcp superfamily in fish and mammals suggests that large scale duplication events played an important role in the evolution of vertebrates. Dectin-2 is important in host defense against <i>C. albicans</i> by inducing Th17 cell differentiation. Dectin-2 constitutes a major fungal pattern recognition receptor (PRR) that can couple to the Syk-CARD9 innate signaling pathway to activate DCs and regulate adaptive immune responses to fungal infection.</p> <p>Synonym: Clec4n, Clecsf10, Nkcl</p>
Molecular Weight:	20.9 kDa
NCBI Accession:	NP_064385

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>



Western Blotting

Image 1.