

Datasheet for ABIN7194470

## **C-Type Lectin Domain Family 1, Member B (CLEC1B) (Active) protein (His tag)**



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### Overview

Quantity:	100 µg
Target:	C-Type Lectin Domain Family 1, Member B (CLEC1B)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	His tag

### Product Details

Purpose:	Recombinant Human CLEC1B/CLEC2 Protein (His Tag)(Active)
Sequence:	Gln 58-Pro 229
Characteristics:	A DNA sequence encoding the human CLEC1B (NP_057593.3) extracellular domain (Gln 58-Pro 229) with a N-terminal polyhistidine tag was expressed.
Purity:	> 76 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized human Podoplanin at 10 µg/mL (100 µl/well) can bind biotinylated human CLEC1B-His, The EC50 of biotinylated human CLEC1B-His is 0.71 µg/mL.

### Target Details

Target:	C-Type Lectin Domain Family 1, Member B (CLEC1B)
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## Target Details

Alternative Name:	CLEC1B/CLEC2 ( <a href="#">CLEC1B Products</a> )
Target Type:	Viral Protein
Background:	<p>Background: CLEC1B, also known as CLEC2, is a C-type lectin-like receptor expressed in myeloid cells and NK cells. Natural killer (NK) cells express multiple calcium-dependent (C-type) lectin-like receptors, such as CD94 and NKG2D, that interact with major histocompatibility complex class I molecules and either inhibit or activate cytotoxicity and cytokine secretion. CLEC2 acts as a receptor for the platelet-aggregating snake venom protein rhodocytin. Rhodocytin binding leads to tyrosine phosphorylation and this promotes the binding of spleen tyrosine kinase (Syk) and initiation of downstream tyrosine phosphorylation events and activation of PLC-gamma-2. CLEC2 contains 1 C-type lectin domain and is expressed preferentially in the liver. It acts as an attachment factor for human immunodeficiency virus type 1 (HIV-1) and facilitates its capture by platelets.</p> <p>Synonym: 1810061I13Rik,CLEC2,CLEC2B,PRO1384,QDED721</p>
Molecular Weight:	22.7 kDa
NCBI Accession:	<a href="#">NP_057593</a>

## Application Details

Restrictions:	For Research Use only
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## 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. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>