

Rat CLEC4B2 / mDCAR1 Protein (His Tag)

Catalog Number: 80265-R07H



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

Aplra1; F830043G12Rik; mDCAR1; Aplra1; CLEC4B2

Protein Construction:

A DNA sequence encoding the rat CLEC4B2 (Q67DU9) (Met44-Leu208) was expressed with a polyhistidine tag at the N-terminus.

Source: Rat

Expression Host: Human Cells

QC Testing

Purity: > 85 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His

Molecular Mass:

The recombinant rat CLEC4B2 comprises 185 amino acids and has a predicted molecular mass of 21.8 kDa. The apparent molecular mass of the protein is approximately 31-36 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

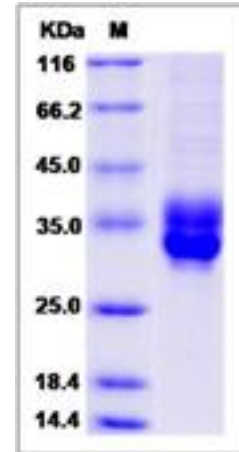
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Clec4b2, also known as mDCAR1, is a member of the DCIR/DCAR family. Expression of Clec4b2 was strongly tissue dependent. Clec4b2 expression on DCs was restricted to the CD8(+) DC subset in spleen and thymus and on subpopulations of CD11b(+) myeloid cells in bone marrow and spleen, whereas the molecule was not detectable on both cell types in lymph nodes and peripheral blood. Clec4b2 is a functional receptor on cells of the immune system and provides further insights into the regulation of immune responses by CLRs.

References

1. Katayama S. et al., 2005, Science. 309 (5740): 1564-6.
2. Kaden SA. et al., 2009, J Immunol. 183 (8): 5069-78.
3. Skarnes WC. et al., 2011, Nature. 474 (7351): 337-42.

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