

For Research Use Only

Recombinant Human CLEC9A protein (rFc Tag)



Catalog Number: Eg1444

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human CLEC9A protein Lys57-Val241 (Accession# Q6UXN8) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

283420

Accession:

Q6UXN8

Predicted Molecular Mass:

48.4 kDa

SDS-PAGE:

52-65 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CLEC9A (C-type lectin domain family 9 member A), also known as DNGR1, CD370, is a type II membrane protein that contains C-type lectin domain. The C-type lectin domain family members share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signaling, glycoprotein turnover, and roles in inflammation and immune response. Mouse Clec9A is primarily restricted to dendritic cells (DCs) and selectively expressed in mouse CD8⁺ conventional DCs (cDCs) and plasmacytoid DCs (pDCs), whereas human CLEC9A is also expressed on human DC subtypes. CLEC9A functions as an activating receptor that recruits Syk kinase and can induce the production of proinflammatory cytokines.

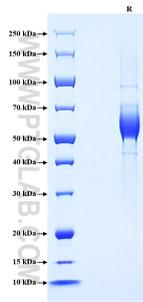
References

1. Dambuzá IM, et al. (2015). *Curr Opin Immunol.* 32:21-7.
2. McGreal EP, et al. (2004). *Mol Immunol.* 41(11):1109-21.
3. Caminschi I, et al. (2008). *Blood.* 112(8):3264-73.
4. Huysamen C, et al. (2008). *J Biol Chem.* 283(24):16693-701.

Synonyms

CD370, C-type lectin domain family 9 member A, DNGR1, UNQ9341, UNQ9341/PRO34046

Selected Validation Data



Purity of Recombinant Human CLEC9A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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