

For Research Use Only

Recombinant Human ART4/CD297 protein (rFc Tag)



Catalog Number: Eg2665

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 ART4 protein Ser47-Ala285 (Accession# Q93070) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

420

Accession:

Q93070

Predicted Molecular Mass:

53.3 kDa

SDS-PAGE:

63-85 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

ART4 is a GPI-anchored ecto-ADP-ribosyltransferase best known as the molecular carrier of Dombrock blood group antigens on erythrocytes. Expressed on red blood cells, hematopoietic progenitors, and select immune cells, it participates in cell-surface signaling and immune recognition, though its catalytic activity is limited. ART4 polymorphisms underlie clinically significant transfusion reactions, making it a key target in hematology, transfusion medicine, and erythroid biology.

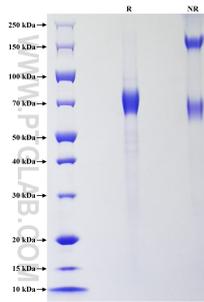
References

1. Parusel, Ines et al. Cellular immunology vol. 236,1-2 (2005): 59-65.
2. Piassi, Fabiana Chagas Camargos et al. Revista brasileira de hematologia e hemoterapia vol. 35,6 (2013): 400-3.

Synonyms

Ecto ADP ribosyltransferase 4, Mono(ADP ribosyl)transferase 4

Selected Validation Data



Purity of Recombinant Human ART4 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.