

For Research Use Only

Recombinant Human CD84 protein (rFc Tag)



Catalog Number: Eg1752

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human CD84 protein Lys22-Gly225 (Accession# Q9UIB8-3) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

8832

Accession:

Q9UIB8-3

Predicted Molecular Mass:

49.1 kDa

SDS-PAGE:

53-70 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μm 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

CD84, also known as SLAMF5, is a member of the CD2 subfamily of the immunoglobulin receptor superfamily. CD84 is a single-chain type-I glycoprotein composed of two extracellular Ig-like domains, a hydrophobic transmembrane region, and a cytoplasmic domain. It is broadly expressed on almost all leukocyte subsets. CD84 functions as a homophilic adhesion molecule, whose signaling can activate or inhibit leukocyte function depending on the cell type and its stage of activation or differentiation.

References

1. MA de la Fuente, et al. (1997) Blood. Sep 15;90(6):2398-405.
2. Marta Cuenca, et al. (2019) Clin Immunol. Jul;204:43-49.

Synonyms

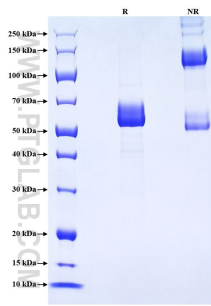
CD84 molecule, Cell surface antigen MAX.3, hCD84, Hly9 beta, Hly9-beta

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

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Selected Validation Data



Purity of Recombinant Human CD84 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.