

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/  $\mu$ g 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  $\mu$ 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

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.

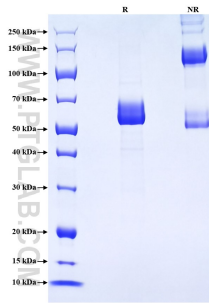
## References

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

## 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.

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

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