For Research Use Only

Recombinant Mouse CD84/SLAMF5 protein (His Tag)

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Catalog Number: Eg1313

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse CD84/SLAMF5 protein Lys22-Val221 (Accession# Q18PI6-1) with a His tag at the C-terminus.

GeneID:
12523

Accession:
Q18PI6-1

Predicted Molecular Mass:
23.6 kDa

SDS-PAGE:

Formulation:
Lyophilized from sterile 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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. de la Fuente, M A et al. Blood vol. 90,6 (1997): 2398-405.
2. Cuenca, Marta et al. Clinical immunology (Orlando, Fla.) vol. 204 (2019): 43-49.
3. Martin, M et al. Journal of immunology (Baltimore, Md. : 1950) vol. 167,7 (2001): 3668-76.

Synonyms

Selected Validation Data