

For Research Use Only

Recombinant Human CD81 protein (hFc Tag)



Catalog Number: Eg1035

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
hFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human CD81 protein Phe113-Lys201 (Accession# P60033) with a human IgG1 Fc tag at the C-terminus.

GeneID:

975

Accession:

P60033

Predicted Molecular Mass:

36.5 kDa

SDS-PAGE:

34-37 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

CD81 (also known as TAPA1 or TSPAN28) is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Many of these members are expressed on leukocytes and have been implicated in signal transduction, cell-cell interactions, and cellular activation and development. CD81 is involved in signal transduction and cell adhesion in the immune system (PMID: 9597125).

References

1. Oren R. et al. (1990) Mol Cell Biol. 10(8):4007-15.
2. Takahashi S. et al. (1990) J Immunol. 145(7):2207-13.
3. Kitadokoro K. et al. (2001) EMBO J. 20(1-2):12-8.
4. Hemler M.E. et al. (2005) Nat Rev Mol Cell Biol. 6(10):801-11.
5. Imai T. et al. (1995) J Immunol. 155(3):1229-39.

Synonyms

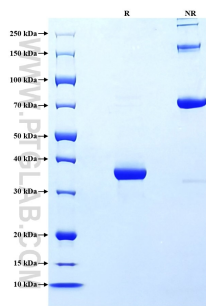
CD81, 26 kDa cell surface protein TAPA-1, CD81 antigen, CD81 molecule, S5.7

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

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Selected Validation Data



Purity of Recombinant Human CD81 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.