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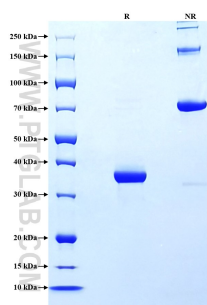
Recombinant Human CD81 protein (hFc Tag)



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 Set al.(1990) J Immunol.145(7):2207-13. 3.Kitadokoro K.et al.(2001) EMBO J.20(1-2):12-8. 4.Hemler ME.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		

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.

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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