

# Recombinant Human CD81 Protein

Catalog No.: RP01871 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	975	P60033

### Tags

N-hFc

### Synonyms

CD81 antigen; 26 kDa cell surface protein TAPA-1; Target of the antiproliferative antibody 1; Tetraspanin-28; Tspan-28; CD81 $\square$ CD81; TAPA1; TSPAN28

## Product Information

Source	Purification
HEK293 cells	

Calculated MW	Observed MW
35.73 kDa	35-45 kDa

### Endotoxin

< 0.001 EU/ $\mu$ g of the protein by LAL method.

### Formulation

Lyophilized from a 0.22  $\mu$ m filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

CD81, belongs to the transmembrane 4 superfamily, also known as the tetraspanin family. Members of this family mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. It is related to adhesion, morphology, activation, proliferation, and differentiation of B, T, and other cells. On B cells CD81 is part of a complex with CD21, CD19, and Leu13. This complex reduces the threshold for B cell activation via the B cell receptor by bridging Ag specific recognition and CD21-mediated complement recognition.

## Basic Information

### Description

Recombinant Human CD81 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Phe113-Lys201 ) of Human CD81 (Accession #NP\_004347.1) fused with hFc tag at the N-terminus.

### Bio-Activity

### Storage

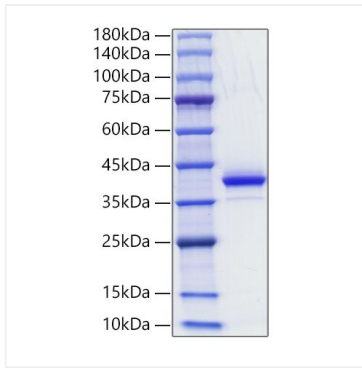
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human CD81 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-45 kDa.