

# Biotinylated Recombinant Human CD47 Protein

Catalog No.: RP02586 **Recombinant**

## Sequence Information

<b>Species</b>	<b>Gene ID</b>	<b>Swiss Prot</b>
Human		Q08722-1

### Tags

C-His&Avi

### Synonyms

CD47 glycoprotein; CD47 molecule;  
CD47; IAP; OA3; MER6

## Product Information

<b>Source</b>	<b>Purification</b>
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

### Endotoxin

Less than 1EU per µg by the LAL method.

### Formulation

#### Reconstitution

Centrifuge the tube 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 freeze-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

CD47 (Cluster of Differentiation 47) also known as integrin associated protein (IAP) is a transmembrane protein that in humans is encoded by the CD47 gene. CD47 belongs to the immunoglobulin superfamily and partners with membrane integrins and also binds the ligands thrombospondin-1 (TSP-1) and signal-regulatory protein alpha (SIRPα). CD-47 acts as a don't eat me signal to macrophages of the immune system which has made it a potential therapeutic target in some cancers.

## Basic Information

### Description

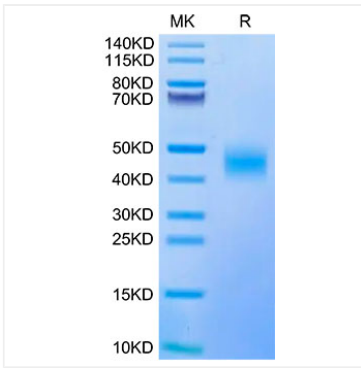
Recombinant Biotinylated Human CD47 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Gln19-Pro139.

### Bio-Activity

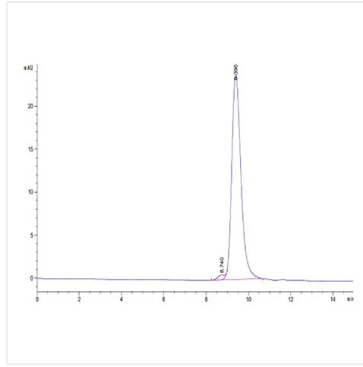
#### Storage

Store the lyophilized protein at -20°C to -80°C for long term. 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.

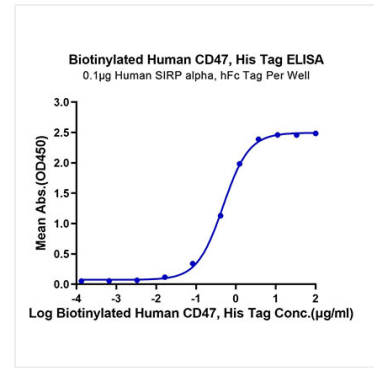
## Validation Data



Biotinylated Human CD47 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human CD47 is greater than 95% as determined by SEC-HPLC.



Immobilized Human SIRP alpha, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human CD47, His Tag with the EC<sub>50</sub> of 0.48µg/ml determined by ELISA.