

# Recombinant Human CD47 Protein

Catalog No.: RP02027 **Recombinant**

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human   | 961     | Q08722     |

### Tags

C-His

### Synonyms

IAP; MER6; OA3

## Product Information

| Source    | Purification       |
|-----------|--------------------|
| Mammalian | > 95% by SDS-PAGE. |

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## 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 Mouse B7-H5 Protein is produced by mammalian expression system. The target protein is expressed with sequence (Gln19-Pro139) of human CD47 (Accession #Q08722) fused with a 6xHis tag at the C-terminus.

### Bio-Activity

Immobilized Human CD47, His Tag at 0.5ug/mL (100μL/well), dose response curve for Human SIRP alpha, Fc Tag with the EC<sub>50</sub> of 96.15ng/mL determined by ELISA.

### 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.

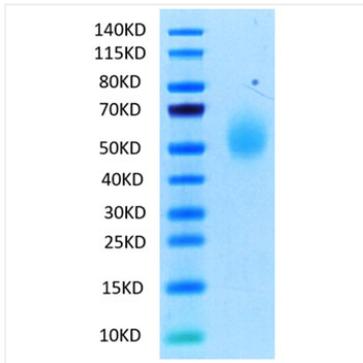
Avoid repeated freeze/thaw cycles.

## Contact

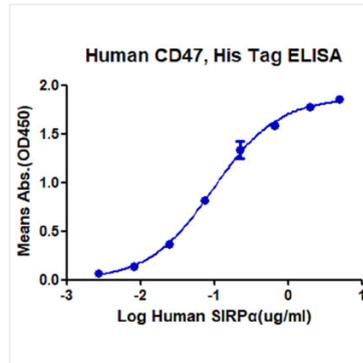
 | [www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Human CD47 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-60 kDa.



Immobilized Human CD47, His Tag at 0.5ug/mL (100 $\mu$ L/well), dose response curve for Human SIRP alpha, Fc Tag with the EC<sub>50</sub> of 96.15ng/mL determined by ELISA.