

## General Information

### Gene Name Synonym

Antigenic surface determinant protein OA3;  
Integrin-associated protein; IAP; Protein MER6;  
CD antigen CD47

### Protein Construction

A DNA sequence encoding the human CD47  
(NP\_942088.1) (Met1-Pro139) was expressed with  
a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  protein as determined by the LAL  
method.

### Stability

Samples are stable for up to twelve months from  
date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gln 19

### Molecular Mass

The recombinant human CD47 consists of 132  
amino acids and predicts a molecular mass of 15.2  
kDa.

### Formulation

Lyophilized from sterile PBS, pH7.4.

1. Normally 5 % - 8 % trehalose, mannitol and  
0.01% Tween80 are added as protectants before  
lyophilization. Specific concentrations are  
included in the hardcopy of COA.
2. Please contact us for any concerns or special  
requirements.

## Usage Guide

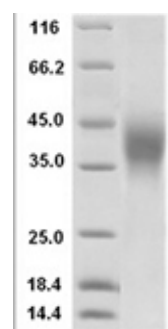
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .  
It is recommended that the protein be aliquoted  
for optimal storage. Avoid repeated freeze-thaw  
cycles.

### Reconstitution

A hardcopy of COA with reconstitution instruction  
is sent along with the products. Please refer to it  
for detailed information.

### SDS-PAGE



Human CD47 Protein 15493