

# Recombinant human CD47 protein

Catalog Number: ATGP3188

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

19-141aa

### UniProt No.

Q08722

### NCBI Accession No.

NP\_001768

### Alternative Names

CD47, OA3, IAP, MER6

## PRODUCT SPECIFICATION

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### Molecular Weight

14.7 kDa (129aa)

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CD47, also known as leukocyte surface antigen CD47 isoform 1, has a role in both cell adhesions by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It plays an important role in memory formation and synaptic plasticity in the hippocampus. Receptor for SIRPA prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Recombinant human CD47,

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fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

QLLFNKTKSV EFTFCNDTVV IPCFVTNMEA QNTTEVYVKW KFKGRDIYTF DGALNKSTVP TDFSSAKIEV SQLLKGDASL  
KMDKSDAVSH TGNVTCEVTE LTREGETIIE LKYRVVSWFS PNEHHHHHH

## General References

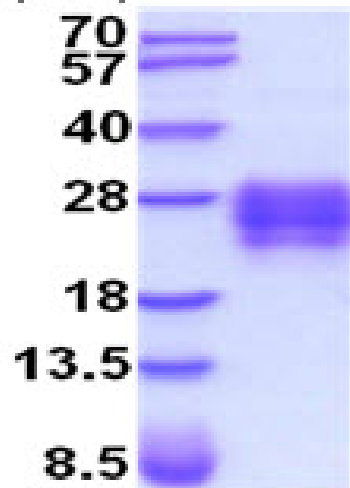
Iwamoto C et al., (2014) Exp. Hematol. 42(3):163-171.

Wang Y et al., (2013) Mol. Ther. 21(10):1919-1929.

## DATA

### SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)