

## Product datasheet

# Recombinant Human CD47 protein (Fc Chimera) ab216207

[1 References](#) [2 Images](#)

### Description

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| <b>Product name</b>                    | Recombinant Human CD47 protein (Fc Chimera)  |
| <b>Purity</b>                          | > 90 % SDS-PAGE.   |
| <b>Expression system</b>               | HEK 293 cells  |
| <b>Accession</b>                       | <b><u>Q08722</u></b>   |
| <b>Protein length</b>                  | Protein fragment   |
| <b>Animal free</b>                     | No   |
| <b>Nature</b>                          | Recombinant  |
| <b>Species</b>                         | Human  |
| <b>Sequence</b>                        | QLLFNKTKSVEFTFCNDTVVIPCFVTNMEAQNTEVYVKW<br>KFKGRDIYTF<br>DGALNKSTVPTDFSSAKIEVSQLLKGDASLKMDKSDAVS<br>HTGNYTCEVTE LTREGETIIEELKYRVVSWFSP |
| <b>Predicted molecular weight</b>      | 40 kDa   |
| <b>Amino acids</b>                     | 19 to 139  |
| <b>Additional sequence information</b> | extracellular domain Fc fusion protein   |

### Specifications

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Our **Abpromise guarantee** covers the use of **ab216207** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|                     |          |
|---------------------|----------|
| <b>Applications</b> | SDS-PAGE |
| <b>Form</b>         | Liquid   |

### Preparation and Storage

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|                              |   |
|------------------------------|---|
| <b>Stability and Storage</b> | Shipped at 4°C. Store at -80°C. Avoid freeze / thaw cycle.<br>pH: 8.00<br>Constituents: 0.48% Tris, 0.64% Sodium chloride, 0.02% Potassium chloride, 20% Glycerol |
|------------------------------|---|

(glycerin, glycerine)

## General Info

### Function

Has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. Plays an important role in memory formation and synaptic plasticity in the hippocampus (By similarity). Receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation. May play a role in membrane transport and/or integrin dependent signal transduction. May prevent premature elimination of red blood cells. May be involved in membrane permeability changes induced following virus infection.

### Tissue specificity

Very broadly distributed on normal adult tissues, as well as ovarian tumors, being especially abundant in some epithelia and the brain.

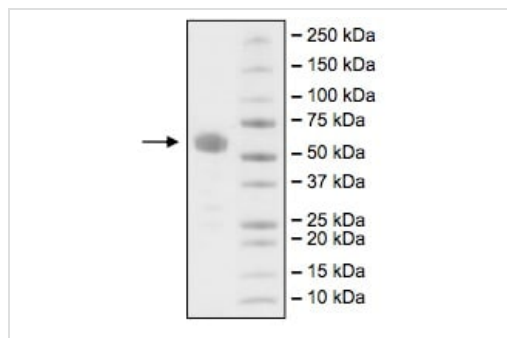
### Sequence similarities

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

### Cellular localization

Cell membrane.

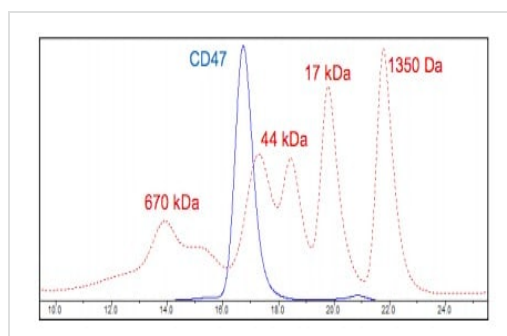
## Images



SDS-PAGE - Recombinant Human CD47 protein (Fc Chimera) (ab216207)

10% SDS-PAGE with Coomassie staining: 4 µg ab216207.

Note: This protein runs at a higher MW by SDS-PAGE due to glycosylation.



Size Exclusion Chromatography - Recombinant Human CD47 protein (Fc Chimera) (ab216207)

Gel Filtration Curve: <10% Aggregation.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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