

## Recombinant Human CD47 protein(Met1-Pro139)

**Cat. No.** CD47-7865H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD47 (NP_942088.1) (Met1-Pro139) was expressed in HEK293 with six amino acids (LEVLFQ) at the C-terminus.                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Met1-Pro139                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                |
| <b>Bio-activity</b>     | Measured by its ability to bind human SIRPA-His in functional ELISA. Measured by its ability to bind mouse SIRPA-His in functional ELISA.                                                                                     |
| <b>Molecular Mass</b>   | The recombinant human CD47 consists 128 amino acids and predicts a molecular mass of 14.5 kDa. The apparent molecular mass of the protein is approximately 35 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                      |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE.                                                                                                                                                                                             |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein                                                    |

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [CD47 CD47 molecule \[ Homo sapiens \]](#)

**Official Symbol** [CD47](#)

**Synonyms**

CD47; CD47 molecule; CD47 antigen (Rh related antigen, integrin associated signal transducer) , MER6; leukocyte surface antigen CD47; antigen identified by monoclonal 1D8; antigenic surface determinant protein OA3; CD47 glycoprotein; IAP; integrin associated protein; OA3; Rh related antigen; Rh-related antigen; integrin-associated protein; integrin-associated signal transducer; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); MER6;

**Gene ID** [961](#)

**mRNA Refseq** [NM\\_001777](#)

**Protein Refseq** [NP\\_001768](#)

**MIM** [601028](#)

**UniProt ID** [Q08722](#)

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