

Recombinant Human CD47 protein(Met1-Pro139)

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

SPECIFICATION

Product Overview	Recombinant Human CD47 (NP_942088.1) (Met1-Pro139) was expressed in HEK293 with six amino acids (LEVLFQ) at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Pro139
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind human SIRPA-His in functional ELISA. Measured by its ability to bind mouse SIRPA-His in functional ELISA.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Storage	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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