Active Recombinant Human CD47 Protein, His-tagged, Biotinylated

Cat. No. CD47-7891H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD47 Protein (Gln 19 - Pro 139) (NP_942088), fused with a polyhistidine tag at the C-terminus, followed by an Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gln 19 - Pro 139
Predicted N Terminal	Gln 19
Form	Lyophilized from sterile PBS, pH7.4, 10% trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Anti-CD47 mAb, Human IgG4 at 5μg/mL (100 μL/well) can bind Biotinylated Human CD47, His Tag with a linear range of 0.039-1.25 μg/mL.
Molecular Mass	Recombinant Human CD47 Protein has a calculated MW of 16.4 kDa. The protein migrates as 34-48 kDa on a SDS-PAGE gel under reducing (R) condition due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>92% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein 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℃ before opening to recover the entire contents.
Conjugation	Biotin

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	601028
UniProt ID	Q08722
Chromosome Location	3q13.1-q13.2
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Hemostasis, organism-specific biosystem; Integrins in angiogenesis, organism-specific biosystem; Signal regulatory protein (SIRP) family interactions, organism-specific biosystem;
Function	protein binding; thrombospondin receptor activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA