

## Active Recombinant Rat Cd47, His tagged

**Cat. No.** Cd47-8767R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Cd47 (P97829-1) (Met1-Lys140), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Lys140
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Rat CD47-His at 10 µg/ml (100 µl/well) can bind mouse SIRPA-Fc, The EC50 of mouse SIRPA-Fc is 0.6-1.4 µg/ml.
<b>Molecular Mass</b>	The recombinant rat CD47 comprises 133 amino acids and predicts a molecular mass of 15.2 kDa. The apparent molecular mass of the recombinant protein is approximately 27-35 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the 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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Store it under sterile conditions at -20°C to -80°C. 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°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** Cd47 integrin-associated protein [ *Rattus norvegicus* ]

**Official Symbol** Cd47

**Synonyms** CD47; integrin-associated protein;

**Gene ID** 113934

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA