

Active Recombinant Rat Cd47, His tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Cd47 (P97829-1) (Met1-Lys140), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.
Species	Rat
Source	HEK293
ProteinLength	Met1-Lys140
Form	Lyophilized from sterile PBS, pH 7.4
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the 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

 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

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

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