

Rat CD47 (His Tag) recombinant protein



Catalog Number: 500893

General Information

Gene Name Synonym

Integrin-associated protein

Protein Construction

A DNA sequence encoding the rat CD47 (P97829-1) (Met1-Lys140) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

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 (Cat:503641), The EC₅₀ of mouse SIRPA-Fc (Cat:503641) is 0.6-1.4 µg/ml.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Gln 19

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.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

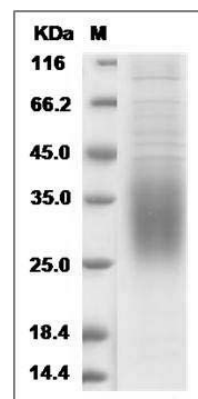
Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Rat CD47 Protein (His Tag) SDS-PAGE