

# Rat CD5 / Cluster of Differentiation 5 (His Tag) recombinant protein



Catalog Number: 503510

## General Information

### Protein Construction

A DNA sequence encoding the rat CD5 (P51882) (Met1-Pro368) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized rat CD5-His at 10 µg/ml (100 µl/well) can bind biotinylated human GST-LCK (Cat:500189), The EC<sub>50</sub> of biotinylated human GST-LCK (Cat:500189) is 0.9-2.1 µg/ml.

### Purity

> 95 % 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 24

### Molecular Mass

The recombinant rat CD5 comprises 356 amino acids and predicts a molecular mass of 38.9 kDa. The apparent molecular mass of the recombinant protein is approximately 46-49 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

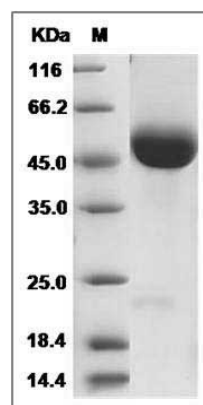
Store it under sterile conditions at -20°C to -80°C.

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 CD5 Protein (His Tag) SDS-PAGE