

Active Recombinant Rat Cd5 protein, His-tagged

Cat. No. Cd5-8796R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cd5 protein(P51882)(Met1-Pro368), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Pro368
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Immobilized rat CD5-His at 10 µg/ml (100 µl/well) can bind biotinylated human GST-LCK, The EC50 of biotinylated human GST-LCK is 0.9-2.1 µg/ml.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
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 Cd5 Cd5 molecule [*Rattus norvegicus*]

Official Symbol Cd5

Synonyms CD5; Cd5 molecule; T-cell surface glycoprotein CD5; CD5 antigen; Lymphocyte antigen CD5; MGC114334;

Gene ID 54236

mRNA Refseq NM_019295

Protein Refseq NP_062168

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