Active Recombinant Rat CD4 protein, His-tagged

Cat. No. CD4-1075R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CD4 protein(NP_036837.1)(Met1-Thr394), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Thr394
Form	Lyophilized from sterile PBS, pH 7.4.Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells.When 5 × 10E4 cells/well are added to ratCD4-His coated plates (1.25μg/mL and 100μL/well),approximately 20%-50% will adhere specifically after 30 minutes at 37℃.
Molecular Mass	The recombinant rat Cd4 consists 378 amino acids and predicts a molecular mass of 42.5 kDa.
Endotoxin	< 1.0 EU per μg 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	Cd4 Cd4 molecule [Rattus norvegicus]
Official Symbol	CD4
Synonyms	CD4; Cd4 molecule; T-cell surface glycoprotein CD4; CD4 antigen; W3/25 antigen; T-cell surface antigen T4/Leu-3; p55; W3/25;
Gene ID	24932
mRNA Refseq	NM_012705
Protein Refseq	NP_036837

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