

# Human CD4 (His Tag) recombinant protein



Catalog Number: 501408

## General Information

### Gene Name Synonym

cDNA, FLJ79360, highly similar to T-cell surface glycoprotein CD4; cDNA, FLJ79361, highly similar to T-cell surface glycoprotein CD4

### Protein Construction

A DNA sequence encoding the human CD4 (NP\_000607.1) extracellular domain (Met 1-Trp 390) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells.

When cells are added to CD4 coated plates (0.8 µg/mL, 100 µL/well), approximately >40% will adhere specifically.

### 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

Lys 26

### Molecular Mass

The recombinant human CD4 consists of 376 amino acids and has a predicted molecular mass of 42.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCD4 is approximately 46 kDa 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

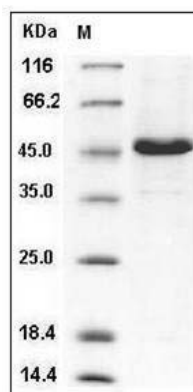
### Storage

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



Human CD4 / LEU3 Protein (His Tag) SDS-PAGE