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.

Source: 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℃

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

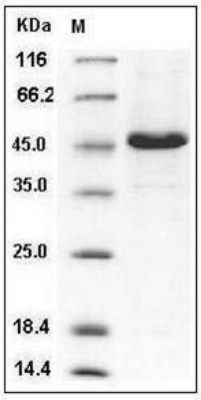
Storage:

Store it under sterile conditions at -20℃ to -80℃. 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