

Ferret CD4 (His Tag) recombinant protein



Catalog Number: 502085

General Information

Gene Name Synonym

Uncharacterized protein

Protein Construction

A DNA sequence encoding the extracellular domain of Ferret (*Mustela putorius furo*) CD4 (ABS50090.1) (Met 1-Leu 401) was expressed, with a polyhistidine tag at the C-terminus.

Organism

Ferret

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 5×10^4 cells/well are added to CD4 coated plates (1.25 $\mu\text{g}/\text{mL}$ and 100 $\mu\text{L}/\text{well}$), approximately >50% will adhere specifically after 30 minutes at 37°C.

Purity

> 97 % 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

Glu 27

Molecular Mass

The recombinant Ferret CD4 consists of 386 amino acids and has a calculated molecular mass of 42.7 kDa. The apparent molecular mass of the recombinant protein is approximately 52 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

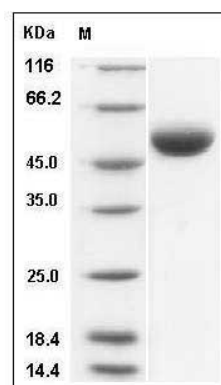
Storage

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



Ferret CD4 / Leu-3 Protein (His Tag) SDS-PAGE