

Human CD7 (His Tag) recombinant protein



Catalog Number: 501117

General Information

Gene Name Synonym

GP40; T-cell leukemia antigen; T-cell surface antigen Leu-9; TP41

Protein Construction

A DNA sequence encoding the human CD7 (NP_006128.1) extracellular domain (Met 1-Pro 180) was expressed, with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.

Immobilized human CD7-His at 10 µg/ml (100 µl /well) can bind biotinylated SECTM1-His(Cat:500355), The EC₅₀ of biotinylated SECTM1-His(Cat:500355) is 11-26ng/ml

Purity

> 95 % 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

Ala 26

Molecular Mass

The secreted recombinant human CD7 consists of 166 amino acids and predicts a molecular mass of 18 kDa. In SDS-PAGE under reducing conditions, it migrates with apparent molecular mass of 30-35 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

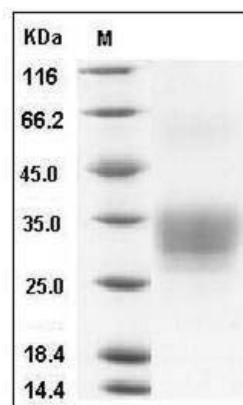
Storage

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 CD7 Protein (His Tag) SDS-PAGE