

Human CD5 / Cluster of Differentiation 5 (His Tag) recombinant protein



Catalog Number: 502625

General Information

Gene Name Synonym

Lymphocyte antigen T1/Leu-1

Protein Construction

A DNA sequence encoding the human CD5 (NP_055022.2) extracellular domain (Met 1-Pro 372) was expressed with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind biotinylated recombinant human LCK in a functional ELISA.

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

Arg 25

Molecular Mass

The secreted recombinant human CD5 consists of 359 amino acids after removal of the signal peptide and has a calculated molecular mass of 40 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 47 kDa band 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

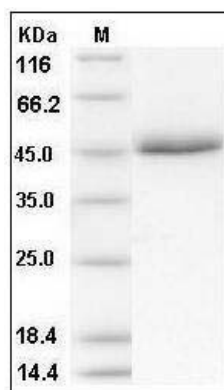
Storage

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 CD5 Protein (His Tag) SDS-PAGE