

Human CD21 (His Tag) recombinant protein



Catalog Number: 503058

General Information

Gene Name Synonym

Complement C3d receptor; Epstein-Barr virus receptor

Protein Construction

A DNA sequence encoding the human CD21 isoform A (P20023-1) extracellular domain (Met 1-Arg 971) was expressed, with a carboxy-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized human CD21 at 2 µg/ml (100 µl/well) can bind biotinylated human CD9. The EC₅₀ of biotinylated human CD9 is 1.76 µg/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

Ile 21

Molecular Mass

The secreted recombinant human CD21 pro form consists of 962 amino acids with the predicted molecular mass of 106 kDa. As a result of glycosylation, the apparent molecular mass of rhCD21 is approximately 110-120 kDa in SDS-PAGE under reducing conditions.

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

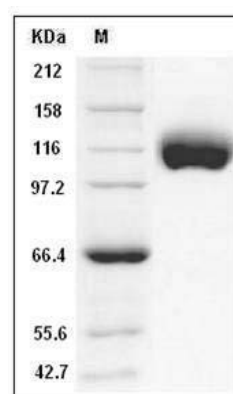
Storage

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 CD21 / CR2 / C3DR Protein (His Tag) SDS-PAGE