

Human CEACAM1/CD66a (His Tag) recombinant protein



Catalog Number: 501311

General Information

Gene Name Synonym

Biliary glycoprotein 1

Protein Construction

A DNA sequence encoding the extracellular domain of human CEACAM1 (NP_001020083.1) (Met 1-Gly 428) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind biotinylated Human CEACAM6-His (Cat:504540) in functional ELISA.
2. Measured by its ability to bind biotinylated Human CEACAM8-His (Cat:500519) in 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

Gln 35

Molecular Mass

The secreted recombinant human CEACAM1 comprises 405 amino acids and predicts a molecular mass of 45 kDa. As a result of glycosylation, the apparent molecular mass of rhCEACAM1 is approximately 65-85 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

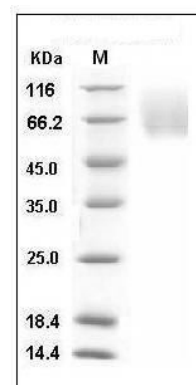
Storage

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 CEACAM1 / CD66a Protein (His Tag) SDS-PAGE