

Mouse CD147/EMMPRIN (His & Fc Tag) recombinant protein



Catalog Number: 502212

General Information

Gene Name Synonym

Basic immunoglobulin superfamily; HT7 antigen;
Membrane glycoprotein gp42

Protein Construction

A DNA sequence encoding the extracellular domain of mouse BSG isoform 2 (NP_001070652.1) (Met 1-Arg 209) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Using the Octet RED System, the affinity constant (Kd) of mouse CD147-Fc (Cat:502212) bound to Human PPIA-His (Cat:501254) was 0.4 μ M.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ g 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 22

Molecular Mass

The secreted recombinant mouse BSG/Fc is a disulfide-linked homodimer. The reduced monomer comprises 436 amino acids and has a predicted molecular mass of 48.6 kDa. As a result of glycosylation, it migrates as an approximately 60-70 kDa band 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

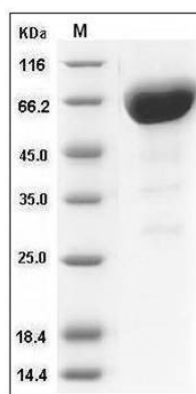
Storage

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



Mouse CD147 / EMMPRIN / Basigin Protein (His & Fc Tag) SDS-PAGE