

Human CD86/B7-2 (His & Fc Tag) recombinant protein



Catalog Number: 504521

General Information

Gene Name Synonym

Activation B7-2 antigen; B70; BU63; CTLA-4 counter-receptor B7.2; FUN-1; CD antigen CD86

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-His 239) of human B7-2 (NP_008820.2) pro-protein was fused with the C-terminal His-tagged Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind human CD28 in a functional ELISA.
2. Measured by its ability to induce IL2 secretion by Jurkat human acute T cell leukemia cells. The ED₅₀ for this effect is 1-5µg/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

Leu 20

Molecular Mass

The recombinant human B7-2/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 467 amino acids and has a predicted molecular mass of 53.2 kDa. In SDS-PAGE, the apparent molecular mass of rh B7-2/Fc monomer is approximately 80-90 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

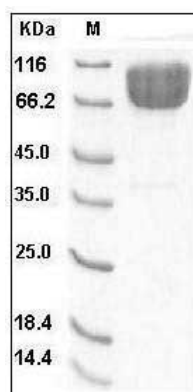
Storage

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



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