

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) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized human CD86 at 20 µg/ml (100 µl/well) can bind human CD28 with a linear range of 32-800 ng/ml.

Purity

> 97 % 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 consists of 228 amino acids and has a predicted molecular mass of 26.2 kDa. In SDS-PAGE, the apparent molecular mass of rhB7-2 is approximately 55-60 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

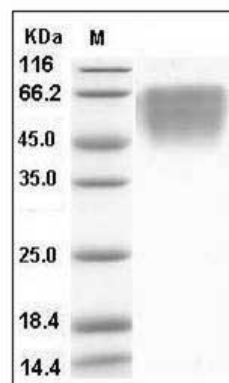
Storage

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



Human CD86 / B7-2 Protein (His Tag) SDS-PAGE