

RP02220

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Recombinant Human B7-2/CD86 Protein

Catalog No.: RP02220

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	942	P42081

Tags
C-hFc

Synonyms

B7-2;B7.2;B70;CD28LG2;LAB72;CD86;
B7-2; B7.2; B70; CD28LG2; LAB72; CD86
molecule

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

Formulation

Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 82 % trehalose is added
as protectants before lyophilization.

Reconstitution

Reconstitute with deionized water

Background

This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.

Basic Information

Description

Recombinant Human B7-2/CD86 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (B7-2(Leu26-Pro247)&hFc(Glu99-Ala330)) of human CD86 (Accession #) fused with a Fc Tag at the C-terminal. .

Bio-Activity

ELISA plate pre-coated by 2 µg/ml (100 µL/well) Human B7-2, hFc tagged protein can bind Human CTLA4, mFc-His tagged protein in a linear range of 0.048-2.694 ng/mL.

Storage

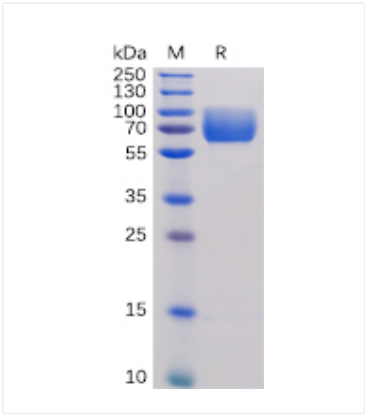
Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

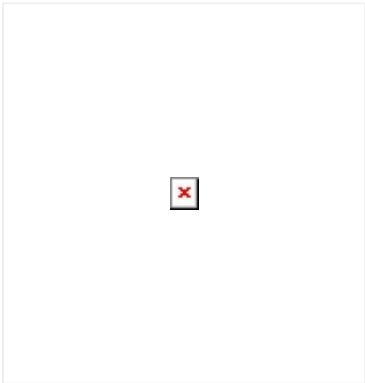


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Validation Data



Recombinant Human B7-2/CD86 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 51.5 kDa



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