

Datasheet for ABIN6961107

CD86 Protein (CD86) (AA 26-247) (mFc-His Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	CD86
Protein Characteristics:	AA 26-247
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD86 protein is labelled with mFc-His Tag.

Product Details

Purpose:	Recombinant human B7-2 protein with C-terminal mouse Fc and 6xHis tag
Specificity:	B7-2 (Leu26-Pro247) mFc (Pro99-Lys330) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD86
Alternative Name:	B7-2 (CD86 Products)
Background:	This gene encodes a type I membrane protein that is a member of the immunoglobulin

Target Details

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.

Molecular Weight: predicted molecular mass of 52.4 kDa after removal of the signal peptide.

Gene ID: 942

UniProt: [P42081](#)

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Immune Effector Process](#), [Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human B7-2 Protein, mFc-His Tag on SDS-PAGE under reducing condition.