

# Recombinant Human CD86/B7-2 Protein (Val185Ile, His Tag)

RPES3596

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES3596

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 50µg, 10µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** LAB, ETC, FUN, CTLA-4 Counter-Receptor B, Early T-cell costimulatory molecule, CD28LG, B7-2, B7.2, B70, CD28LG2, LAB72, CD86, Activation B7-2 antigen, BU63, CTLA-4 Counter-Receptor B7.2, Early T-cell costimulatory molecule 1, ETC-1, FUN-1, T-lymphocyte activation antigen CD86, B7-2, Activation B7-2 antigen 3, B7 2, B72 antigen, B-lymphocyte activation antigen B7-2, B-lymphocyte activation antigen B7-2 2, CD28 antigen ligand 2, CD28 antigen ligand 2 2, Cd28l2, CD86 antigen, CD86 molecule, CLS1, CTLA-4 counter-receptor B7.2 2, FUN 1, Ly58, Ly-58, MB7, MB7-2, Membrane glycoprotein, MGC34413, TS/A-2

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** HEK293 Cells

**Bio-Activity:** Loaded Human B7-2-His on HIS1K Biosensor, can bind Mouse CTLA-4-Fc with an affinity constant of 5.65 nM as determined in BLI assay.

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Calculated MW:** 26.7 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 57-66 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Accession:** AAH40261.1

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Source:** HEK293 Cells-derived Human CD86, B7-2 protein Ala24-Pro247, with an C-terminal His

**Sequence:** Ala24-Pro247

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.

**Form:** Lyophilized powder

