

# Recombinant Human PD-L1/B7-H1/CD274 Protein (His Tag)

RPES0364

## 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:** RPES0364

**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:** B7 Homolog 1, B7-H1, B7H1, CD274, PD-L1, PDCD1 Ligand 1, PDCD1L1, PDCD1LG1, PDL1, Programmed Cell Death 1 Ligand 1, Programmed Death Ligand 1

**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:** Immobilized Anti-Human PDL1 mAb at 2µg/ml (100 µl/well) can bind Human PD-L1- His. The ED50 of Human PD-L1-6His is 5.57 ng/ml.

**Calculated MW:** 26.3 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 4% Mannitol, 0.02% Tween 80, pH7.4. 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:** 34-42 kDa

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

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

**Accession:** Q9NZQ7

**Source:** HEK293 Cells-derived Human PD-L1/B7-H1/CD274 protein Phe19-Thr239, with an C- terminal His

**Sequence:** Phe19-Thr239

**Form:** Lyophilized powder

**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

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