

Product datasheet for TP720630

OriGene Technologies, Inc.

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PD-L1 (CD274) (NM 014143) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Human PD-L1 / CD274 molecule (PD-L1 / CD274)

Species: Human **HEK293 Expression Host:**

Expression cDNA Clone

or AA Sequence:

Phe19-Thr239

C-His Tag:

Predicted MW: 26.33 kDa **Concentration:** lot specific

Purity: >95% as determined by SDS-PAGE and Coomassie blue staining

Buffer: Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl

Endotoxin: Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)

Reconstitution Method: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the

> lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Store at -80°C. Storage:

Stability: Stable for at least 6 months from date of receipt under proper storage and handling

conditions.

870

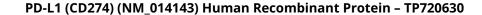
NP 054862 RefSeq:

Locus ID: 29126 **UniProt ID:** Q9NZQ7 RefSeg Size: 1553 Cytogenetics: 9p24.1

RefSeq ORF:

B7-H; B7H1; hPD-L1; PD-L1; PDCD1L1; PDCD1LG1; PDL1 Synonyms:







Summary:

This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)