

# Recombinant Cynomolgus PD-L1/B7-H1/CD274 Protein (Fc Tag)



Catalog Number:PKSQ050046

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

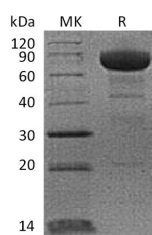
## Description

|                                    |   |
|------------------------------------|---|
| <b>Synonyms</b>                    | B7-H;B7H1;B7-H1;B7H1PDCD1L1;CD274 antigenMGC142294;CD274 molecule;CD274;PDCD1L1;PDCD1LG1;PDL1;PD-L1;PD-L1B7 homolog 1;PDL1PDCD1 ligand 1;programmed cell death 1 ligand 1;Programmed death ligand 1 |
| <b>Species</b>                     | Cynomolgus macaques   |
| <b>Expression Host</b>             | HEK293 Cells  |
| <b>Sequence</b>                    | Phe19-Thr239  |
| <b>Accession</b>                   | G7PSE7  |
| <b>Calculated Molecular Weight</b> | 52.4 kDa  |
| <b>Observed molecular weight</b>   | 73 kDa  |
| <b>Tag</b>                         | C-Fc  |

## Properties

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.   |
| <b>Storage</b>        | 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.             |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.   |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.  |

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

CD274, also known as B7-H1 or programmed death ligand 1 (PD-L1), is a 40 kD type I transmembrane protein and a member of the B7 family within the immunoglobulin receptor superfamily. Programmed death-1 ligand-1 (PD-L1, CD274, B7-H1) has been identified as the ligand for the immunoinhibitory receptor programmed death-1 (PD1/PDCD1) and has been demonstrated to play a role in the regulation of immune responses and peripheral tolerance. By binding to PD1 on activated T-cells and B-cells, PD-L1 may inhibit ongoing T-cell responses by inducing apoptosis and arresting cell-

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cycle progression. Accordingly, it leads to growth of immunogenic tumor growth by increasing apoptosis of antigen specific T cells and may contribute to immune evasion by cancers. PD-L1 thus is regarded as promising therapeutic target for human autoimmune disease and malignant cancers.

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