

# Recombinant Canine PDCD1 protein(Met1-Gly168), His&Avi-tagged, Biotinylated

**Cat. No.** PDCD1-1174C    **Lot. No.** (See product label)

## SPECIFICATION

|                          |                                                                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Biotinylated Recombinant canine PDCD1 (NP_001301026.1) (Met1-Gly168) was expressed in HEK293 with a C-terminal Avi tag followed by a His tag.  |
| <b>Species</b>           | Canine                                                                                                                                         |
| <b>Source</b>            | HEK293                                                                                                                                         |
| <b>ProteinLength</b>     | Met1-Gly168                                                                                                                                    |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                         |
| <b>Form</b>              | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| <b>Bio-activity</b>      | Measured by its ability to bind PD-L1 Protein, Canine, Recombinant (ECD, hFc Tag) in a functional ELISA.                                       |
| <b>Molecular Mass</b>    | The recombinant canine PDCD1 comprises 170 amino acids and has a calculated molecular mass of 19.41 kDa.                                       |
| <b>Endotoxin</b>         | < 1.0 EU per µg protein as determined by the LAL method.                                                                                       |
| <b>Purity</b>            | > 90 % as determined by SDS-PAGE.                                                                                                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                   |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                                                                                          |

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