Recombinant Rhesus macaque B7-H4/VTCN1 Protein (Fc Tag)

Catalog Number: PDMC100006

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

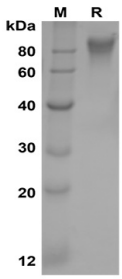
Description

Species	Rhesus macaque
Source	Mammalian-derived Rhesus macaque B7-H4 protein Phe29-Ala258, with an C-terminal hFc
Calculated MW	52.5 kDa
Observed MW	70-100 kDa
Accession	F7B770
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg of the protein as determined by the LAL method
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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Rhesus macaque B7-H4/VTCN1 proteins, 2 μg/lane of Recombinant Rhesus macaque B7-H4/VTCN1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 70-100 kDa.

Background

B7 Homolog 4 (B7-H4) is glycosylated member of the B7 family of immune costimulatory proteins.It is widely expressed, including in kidney, liver, lung, pancreas, placenta, prostate, spleen, testis and thymus. B7-H4 negatively regulates T-cell-mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. When expressed on the cell surface of tumor macrophages, plays an important role, together with regulatory T-cells (Treg), in the suppression of tumor-associated antigen-specific T-cell immunity. It also involved in promoting epithelial cell transformation.

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