

B7-H4 Protein, Rhesus macaque, Recombinant (hFc)

General Information

Synonyms:	V-set domain containing T cell activation inhibitor 1;B7x;B7H4T-cell costimulatory molecule B7x;B7h.5;V-set domain;FLJ22418;B7XPRO1291;T cell costimulatory molecule B7x;B7-H4;Vtcn1;B7S1VCTN1;Immune costimulatory protein B7-H4;B7S1;Protein B7S1
Protein Construction:	Phe29-Ala258
Species:	Rhesus
Expression Host:	HEK293 Cells
Accession:	F7B770
Molecular Weight:	70-100 KDa (reducing condition)
AA Sequence:	Phe29-Ala258

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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

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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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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