

**Recombinant Mouse B7-H4 Protein**

**Cat.NO.: TP04964**

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3th Edition

**Synonyms:**V-set domain containing T-cell activation inhibitor 1;B7 homolog 4;Protein B7S1;B7-H4;VTCN1

**Description:**Mouse V-set domain-containing T-cell activation inhibitor 1/VTCN1/B7-H4 is glycosylated member of the B7 family of immune co-stimulatory proteins. B7-H4 consists of extracellular domain (ECD) with one Ig-like V-set domain and one Ig-like C2-set domain. 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.

**Form:**PBS

**Molecular Weight:**52.7 kDa

**Sequences:**Leu25-Ser256

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.