

Product datasheet for **TP727041**

B7H4 (VTCN1) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human B7 Homolog 4/B7-H4/VTCN1 (C-FC)
Species:	Human
Expression cDNA Clone or AA Sequence:	Phe29-Ala258
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human B7 Homolog 4 is produced by our Mammalian expression system and the target gene encoding Phe29-Ala258 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	79679
UniProt ID:	Q7Z7D3
Summary:	B7 Homolog 4 (B7-H4) is glycosylated member of the B7 family of immune costimulatory proteins. Mature human B7-H4 consists of a 235 amino acid (aa) extracellular domain (ECD) with two Ig-like V-type domains, a 21 aa transmembrane segment, and a 2 aa cytoplasmic tail. 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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