Active Recombinant Human VTCN1, HIgG1 Fc-tagged

Cat. No. VTCN1-530H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human B7-H4(NP_078902.2)(Phe29-Ala258) is fused to the N-terminus of the Fc region of human IgG1was expressed in CHO cell
Species	Human
Source	CHO
ProteinLength	29-258 a.a.
Description	This gene encodes a protein belonging to the B7 costimulatory protein family. Proteins in this family are present on the surface of antigen-presenting cells and interact with ligand bound to receptors on the surface of T cells. Studies have shown that high levels of the encoded protein has been correlated with tumor progression. A pseudogene of this gene is located on chromosome 20. Multiple transcript variants encoding different isoforms have been found for this gene
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Measured by the ablility to inhibit anti-CD3-induced proliferation of stimulated human T cells. Human T lymphocytes cultured for 72 hours with PHA were incubated for an additional 3 days in 96 well place coated with 500 ng/ml anti-CD3 and 10 ug/ml human B
Molecular Mass	55 KDa (monomer)

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AA Sequence	Phe29-Ala258
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	VTCN1 V-set domain containing T cell activation inhibitor 1 [Homo sapiens]
Official Symbol	VTCN1
Synonyms	VTCN1; V-set domain containing T cell activation inhibitor 1; V-set domain-containing T-cell activation inhibitor 1; B7 family member; H4; B7 superfamily member 1; B7 H4; B7H4; B7S1; B7X; FLJ22418; B7 family member, H4; T cell costimulatory molecule B7x; T-cell costimulatory molecule B7x; immune costimulatory protein B7-H4; B7-H4; B7h.5; VCTN1; PRO1291; RP11-229A19.4;
Gene ID	79679
mRNA Refseq	NM_001253849
Protein Refseq	NP_001240778

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MIM	608162
UniProt ID	Q7Z7D3
Chromosome Location	1p12
Function	receptor binding;

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