

Active Recombinant Mouse VTCN1, MlgG2a Fc-tagged

Cat. No. VTCN1-533H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse B7-H4(NP_848709.2)(Phe29-Pro258) is fused to the N-terminus of the Fc region of mouse IgG2a.
Species	Mouse
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 its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells.
Molecular Mass	54 KDa (monomer)
AA Sequence	Phe29-Pro258

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Endotoxin	<0.06 eu/μg="" as="" determined="" by="" la="" 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 [Mus musculus]
Official Symbol	VTCN1
Synonyms	VTCN1; V-set domain containing T cell activation inhibitor 1; V-set domain containing T-cell activation inhibitor 1; t cell costimulatory molecule B7x; immune costimulatory protein B7-H4; B7x; B7h4; B7s1; BC032925; MGC41287;
Gene ID	242122
mRNA Refseq	NM_178594
Protein Refseq	NP_848709
Function	receptor binding;

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