

## Active Recombinant Mouse VTCN1, MlgG2a Fc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	CHO
<b>ProteinLength</b>	29-258 a.a.
<b>Description</b>	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
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells.
<b>Molecular Mass</b>	54 KDa (monomer)
<b>AA Sequence</b>	Phe29-Pro258

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<b>Endotoxin</b>	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
<b>Purity</b>	≥98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	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.
<b>Reconstitution</b>	Reconstitute at 100μg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	Vtcn1 V-set domain containing T cell activation inhibitor 1 [ Mus musculus ]
<b>Official Symbol</b>	VTCN1
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">242122</a>
<b>mRNA Refseq</b>	<a href="#">NM_178594</a>
<b>Protein Refseq</b>	<a href="#">NP_848709</a>
<b>Function</b>	receptor binding;

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