

Active Recombinant Mouse Vtcn1, Fc-tagged

Cat. No. Vtcn1-12M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Vtcn1 (aa 29-258) is fused to the N-terminus of the Fc region of mouse IgG2a.
Species	Mouse
Source	CHO
ProteinLength	29-258 a.a.
Description	V-set domain-containing T-cell activation inhibitor 1 is a protein that in humans is encoded by the VTCN1 gene. B7H4 belongs to the B7 family (see CD80; MIM 112203) of costimulatory proteins. These proteins are expressed on the surface of antigen-presenting cells and interact with ligands (e.g., CD28; MIM 186760) on T lymphocytes.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated mouse T cells.
Endotoxin	<0.06EU/µg protein (LAL test; Lonza).
Purity	≥98% (SDS-PAGE)
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are

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stable for up to 3 months when stored at -20°C.

Storage

Short Term Storage: +4°C Long Term Storage: -20°C Handling Advice: Avoid freeze/thaw cycles.

Reconstitution

Reconstitute at 100µg/ml in sterile PBS.

GENE INFORMATION

Gene Name

Vtcn1 V-set domain containing T cell activation inhibitor 1 [Mus musculus (house mouse)]

Official Symbol

Vtcn1

Synonyms

Vtcn1; B7x; B7h4; B7s1; BC032925; 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

Gene ID

[242122](#)

mRNA Refseq

[NM_178594](#)

Protein Refseq

[NP_848709](#)

UniProt ID

[Q7TSP5](#)

Chromosome Location

3 F2.2; 3

Pathway

Cell adhesion molecules (CAMs)

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Function

receptor binding

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