Active Recombinant Mouse Vtcn1, Fc Chimera

Cat. No. Vtcn1-410M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Vtcn1 (Accession # AAP37284) was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
Predicted N Terminal	Phe29
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured by its ability 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 plates coated with 500 ng/mL anti-CD3 and Recombinant Mouse B7-H4 Fc Chimera. The ED50 for this effect is typically 0.5 - 3 μg/mL.Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Mouse Vtcn1, Fc Chimera has a calculated MW of 52.4 kDa (monomer). In SDS-PAGE migrates as 75-85 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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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
MIM	

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