

Recombinant Mouse Vtcn1

Cat. No. Vtcn1-13M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the mouse Vtcn1 (Q7TSP5) (Phe29-Ser256) was expressed with six amino acids (LEVLFQ) at the C-terminus.
Species	Mouse
Source	Human Cells
ProteinLength	29-256 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 of costimulatory proteins. These proteins are expressed on the surface of antigen-presenting cells and interact with ligands on T lymphocytes.
Predicted N Terminal	Phe 29
Form	Lyophilized from sterile PBS, pH 7.4.
Molecular Mass	The recombinant mouse Vtcn1 consists 235 amino acids and predicts a molecular mass of 26 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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)
Function	receptor binding