

## Recombinant Mouse Vtcn1

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

### SPECIFICATION

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C
<b>Storage</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Vtcn1 V-set domain containing T cell activation inhibitor 1 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Vtcn1
<b>Synonyms</b>	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
<b>Gene ID</b>	242122
<b>mRNA Refseq</b>	NM_178594
<b>Protein Refseq</b>	NP_848709
<b>UniProt ID</b>	Q7TSP5
<b>Chromosome Location</b>	3 F2.2; 3
<b>Pathway</b>	Cell adhesion molecules (CAMs)
<b>Function</b>	receptor binding

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA