

## Product datasheet for **MC213138**

### Vtcn1 (NM\_178594) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vtcn1 (NM_178594) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vtcn1
Synonyms:	B7h4; B7s1; B7x; BC032925
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC213138 representing NM_178594 <b>Red</b> =Cloning site <b>Blue</b> =ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTTCCTTGGGGCAGATCATCTTTGGAGTATTATTAACATCATCATCATCCTGGCTGGGGCCATCG  
CACTCATCATTGGCTTTGGCATTTCAGGCAAGCACTTCATCACGGTCACGACCTTCACCTCAGCTGGAAA  
CATTGGAGAGGACGGGACCCTGAGCTGCACTTTGAACCTGACATCAAACCAACGGCATCGTCATCCAG  
TGGCTGAAAGAAGGCATCAAAGTTTGGTCCACGAGTTCAAAGAAGGCAAAGACGACCTCTCACAGCAGC  
ATGAGATGTTGAGAGCCGCACAGCAGTGTGGTGTGATCAGGTGGTAGTTGGCAATGCTTCCTGAGACT  
GAAAAACGTGCAGCTCACGGATGCTGGCACCTACACATGTTACATCCGCTCCTCAAAGGCAAGGGGAAT  
GCAAACCTTGAGTATAAGACCGGAGCCTTCAGTATGCCAGAGATAAATGTGGACTATAATGCCAGTTCAG  
AGAGTTTACGCTGCGAGGCTCCTCGGTGGTTCCCCAGCCACAGTGGCCTGGGCATCTCAAGTTGACCA  
AGGAGCCAACCTCTCAGAAGTCTCAACACCAGCTTTGAGTTGAACTCTGAGAATGTGACCATGAAGGTC  
GTATCTGTGCTCTACAATGTCACAATCAACAACACATACTCCTGTATGATTGAAAACGACATTGCCAAAG  
CCACCGGGGACATCAAAGTGACAGATTCAGAGGTCAAAGGCGGAGTCAGCTGCAGTTGCTGAACTCTGG  
GCCTTCCCCGTGTGTTTCTTCTCTGCCTTTGTGGCTGGCTGGGCACTCCTATCTCTCCTGTTGCCTG  
ATGCTAAGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja1646_a06.zip">https://cdn.origene.com/chromatograms/ja1646_a06.zip</a>
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_178594



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<b>Insert Size:</b>	852 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">BC032925</a> , <a href="#">AAH32925</a>
<b>RefSeq Size:</b>	1343 bp
<b>RefSeq ORF:</b>	852 bp
<b>Locus ID:</b>	242122
<b>UniProt ID:</b>	<a href="#">Q7TSP5</a>
<b>Cytogenetics:</b>	3 F2.2
<b>Gene Summary:</b>	Negatively regulates T-cell-mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. When expressed on the cell surface of tumor macrophages, plays an important role, together with regulatory T-cells (Treg), in the suppression of tumor-associated antigen-specific T-cell immunity. Involved in promoting epithelial cell transformation.[UniProtKB/Swiss-Prot Function]