

Product datasheet for **SC106041**

TIM 3 (HAVCR2) (BC020843) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIM 3 (HAVCR2) (BC020843) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIM 3
Synonyms:	FLJ14428; hepatitis A virus cellular receptor 2; kidney injury molecule-3; KIM-3; T cell immunoglobulin mucin-3; T cell immunoglobulin mucin 3; Tim-3; TIM3; TIMD3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>OriGene sequence for BC020843 edited
GAATTCGGCACCAGGTGCTGAGCTAGCACTCAGTGGGGCGGCTACTGCTCATGTGATTG
TGGAGTAGACAGTTGGAAGAAGTACCCAGTCCATTTGGAGAGTTAAAAGTGTGCCTAACCA
GAGGTGCTCTGACTTTTCTTCTGCAAGCTCCATGTTTTACATCTTCCCTTTGACTGT
GTCCTGCTGCTGCTGCTACTACTTACAAGTCTCAGAAGTGAATACAGAGCGGAG
GTCGGTCAGAATGCCTATCTGCCCTGCTTACACCCCAGCCGCCAGGGAACCTCGTG
CCCGTCTGCTGGGGCAAAGGAGCCTGCTGCTGTTTGAATGTGGCAACGTGGTGTCTCAGG
ACTGATGAAAGGGATGTGAATTATTGGACATCCAGATACTGGCTAAATGGGGATTTCCGC
AAAGGAGATGTGTCCCTGACCATAGAGAATGTGACTCTAGCAGACAGTGGGATCTACTGC
TGCCGGATCCAAATCCCAGGCATAATGAATGATGAAAAATTTAACCTGAAGTTGGTCATC
AAACCAGCAAGGTCACCCCTGCACCGACTCTGCAGAGAGACTTCACTGCAGCCTTTCCA
AGGATGCTTACCACCAGGGGACATGGCCCAGCAGAGACACAGACACTGGGGAGCCTCCCT
GATATAAATCTAACACAAATATCCACATTTGGCCAATGAGTTACGGGACTCTAGATTGGCC
AATGACTTACGGGACTCTGGAGCAACCATCAGAATAGGCATCTACATCGGAGCAGGGATC
TGTGCTGGGCTGGCTCTGGCTCTTATCTTGGCGCTTTAATTTTCAAATGGTATTCTCAT
AGCAAAGAGAAGATACAGAATTTAAGCCTCATCTTTGGCCAACCTCCCTCCCTCAGGA
TTGGCAAATGCAGTAGCAGAGGGAAATTCGCTCAGAAGAAAACATCTATACCATTGAAGAG
AACGTATATGAAGTGGAGGAGCCCAATGAGTATTATTGCTATGTCAGCAGCAGGCAGCAA
CCCTCACAACTTTGGGTTGTCGCTTTGCAATGCCATAGATCCAACCACCTTATTTTTGA
GCTTGGTGTGTTTTGCTTTTTTCAAGAACTATGAGCTGTGTACCTGACTGGTTTTGGAGGT
TCTGTCCACTGCTATGGAGCAGAGTTTTCCATTTTCAAGATAATGACTCACATGGGA
ATTGAAGTGGGACCTGCACTGAACCTAACAGGCATGTCATTGCCTCTGTATTTAAGCCA
ACAGAGTTACCAACCCAGAGACTGTTAATCATGGATGTTAGAGCTCAAACGGGCTTTTA
TATACACTAGGAATTTCTTGACGTGGGGTCTCTGGAGCTCCAGGAAATTCGGGCACATCAT
ATGTCCATGAAACTTCAGATAAACTAGGGAAAACCTGGGTGCTGAGGTGAAAGCATAAATT
TTTTGGCACAGAAAGTCTAAAGGGGCCACTGATTTTCAAAGAGATCTGTGATCCCTTTTT
GTTTTTTGTTTTGAGATGGAGTCTTGCTCTGTTGCCAGGCTGGAGTGAATGGCACAA
TCTCGGCTCACTGCAAGCTCCGCTCCTGGTTCAAGCGATTCTCCTGCCTCAGCCTCCT
GAGTGGCTGGGATTACAGGCATGCACCACCATGCCAGCTAATTTGTTGATTTTTAGTA
GAGACAGGTTTTACCATGTTGGCCAGTGGTCTCAAACCTCCTGACCTCATGATTTGCC
TGCTCGGCTCCCAAAGCACTGGGATTACAGGCGTGAGCCACCACATCCAGCCAGTGAT
CCTTAAAAGATTAAGAGATGACTGGACTAGGTCTACCTTGATCTTGAAGATTCCTTGGA
ATGTTGAGATTTAGGCTTATTTGAGCACTACCTGCCAACTGTCAGTGCCAGTGCATAGC
CCTTCTTTTGTCTCCCTATGAAGACTGCCCTGCAGGGCTGAGATGTGGCAGGAGCTCCC
AGGGAAAAAGGAAGTGCATTTGATTGGTGTGATTGGCCAAGTTTTGCTTGTGTGTGCT
TGAAAGAAAAATCTCTGACCAACTTCTGTATTCGTGGACCAAACCTGAAGCTATATTTTT
CACAGAAGAAGAAGCAGTGACGGGGACACAAATCTGTTGCCCTGGTGAAAGAAGGCAAA
GGCCTTCAGCAATCTATATTACCAGCGCTGGATCCTTTGACAGAGAGTGGTCCCTAAACT
TAAATTTCAAGACGGTATAGGCTTGATCTGTCTTGCTTATTGTTGCCCTGCGCCTAGC
ACAATTTGACACACAATTGGAACCTTACTAAAAATTTTTTTTACTGTTAAAAAATAAAAA
AAAAAAAAAACTCGAC
```

5' Read Nucleotide Sequence:	>OriGene 5' read for BC020843 unedited AATTTGGTATACGACTACTATAGGGCGGCCGGAATTCGGCACCAGGTGCTGAGCTAGC ACTCAGTGGGGCGGCTACTGCTCATGTGATTGTGGAGTAGACAGTTGGAAGAAGTACCC AGTCCATTTGGAGAGTTAAACTGTGCCTAACAGAGGTGCTCTGACTTTTCTTCTGCA AGCTCCATGTTTTACATCTTCCCTTTGACTGTGCTCCTGCTGCTGCTGCTACTACTT ACAAGTCCCTCAGAAGTGAATACAGAGCGGAGGTCGGTCAGAATGCCTATCTGCCCTGC TTCTACACCCCGCCGCCAGGGAACCTCGTGCCCGTCTGCTGGGGCAAAGGAGCCTGT CCTGTGTTTGAATGTGGCAACGTGGTGCTCAGGACTGATGAAAGGGATGTGAATTATTGG ACATCCAGATACTGGCTAAATGGGGATTTCGCAAAAGGAGATGTGTCCTGACCATAGAG AATGTGACTCTAGCAGACAGTGGGATCTACTGCTGCCGGATCCAAATCCCAGGCATAATG AATGATGAAAAATTTAACCTGAAGTTGGTCATCAAACCAGCCAAGGTCACCCCTGCACCG ACTCTGCAGAGAGACTTCACTGCAGCCTTCCAAGGATGCTTACCACCAGNGGACATGGC CCAGCAGAGACACAGACTGNGGAGCCTCCCTGATATAAATCTAACACANATATCCACA TTGGCCAATGAGTACGGGACTCTAGATTGGCCAATGACTTACGGGACTCTGGAGCACCA TCAGATATGCATCTACATCGAGCAGGGATCTGTGCTGGGCTGGCTCTGGCTTTATCTTT CGCAGTTAATTTCAAATGGGATTCTCATAGCANAGAGATGAACAGAATTAAGCCTCATC TCTTAGCCAACCTCCCTCCCTCAGATTGGCAATGCAGTAGCANAAAGGGATTTCGCTCAAAT AAAACCTATACATCGNAGAGACGNTTATGNAATGGAGGACCCATGATACTATTGCTT
Restriction Sites:	NotI-NotI
ACCN:	BC020843
Insert Size:	2500 bp
OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	BC020843.1 , AAH20843.1
RefSeq Size:	1012 bp
RefSeq ORF:	429 bp
Locus ID:	84868
Cytogenetics:	5q33.3
Domains:	IG
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

The protein encoded by this gene belongs to the immunoglobulin superfamily, and TIM family of proteins. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas, Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. This protein is a Th1-specific cell surface protein that regulates macrophage activation, and inhibits Th1-mediated auto- and alloimmune responses, and promotes immunological tolerance. [provided by RefSeq, Sep 2011]