

## Product datasheet for **SC108129**

### **TIM 3 (HAVCR2) (NM\_032782) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TIM 3 (HAVCR2) (NM_032782) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIM 3
Synonyms:	CD366; HAVcr-2; KIM-3; SPTCL; Tim-3; TIM3; TIMD-3; TIMD3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_032782 edited
GAATTCGGCACGAGGGTTTTCTCCACTGAAGTATTGCTTCTCTTTGTTGATATCACAG
GACAGACATCAGAACACTTACAGGATGTGTGTAGTGTGGCATGACAGAGAACCTTTGGTTT
CCTTTAATGTGACTGTAGACCTGGCAGTGTACTATAAGAATCACTGGCAATCAGACACC
CGGGTGTGCTGAGCTAGCACTCAGTGGGGCGGCTACTGCTCATGTGATTGTGGAGTAGA
CAGTTGGAAGAAGTACCCAGTCCATTTGGAGAGTAAAACTGTGCCTAACAGAGGTGTCC
TCTGACTTTTTCTCTGCAAGCTCCATGTTTTACATCTTCCCTTTGACTGTGCTCCTGCTG
CTGCTGTGCTACTACTTACAAGTCTCAGAAGTGGAATACAGAGCGGAGGTCTGGTCAG
AATGCCTATCTGCCCTGCTTCTACACCCAGCCGCCCCAGGGAACCTCGTGCCCGTCTGC
TGGGGCAAAGGAGCCTGTCTGTGTTTGAATGTGGCAACGTGGTCTCAGGACTGATGAA
AGGGATGTGAATTATTGGACATCCAGATACTGGCTAAATGGGGATTTCCGCAAAGGAGAT
GTGTCCCTGACCATAGAGAATGTGACTTAGCAGACAGTGGGATCTACTGCTGCCGGATC
CAAATCCCAGGCATAATGAATGATGAAAAATTTAACCTGAAGTTGGTCATCAAACAGCC
AAGGTCACCCCTGCACCGACTCTGCAGAGAGACTTCACTGCAGCCTTTCCAAGGATGCTT
ACCACCAGGGGACATGGCCCAGCAGAGACACAGACTGGGGAGCCTCCCTGATATAAAT
CTAACACAAATATCCACATTGGCCAATGAGTTACGGGACTCTAGATTGGCCAATGACTTA
CGGGACTCTGGAGCAACCATCAGAATAGGCATCTACATCGGAGCAGGGATCTGTGCTGGG
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GCAGTAGCAGAGGGAATTCGCTCAGAAGAAAACATCTATACCATTGAAGAGAACGTATAT
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CCTTTGGGTTGTGCTTTGCAATGCCATAGATCCAACCACCTATTTTTGAGCTTGGTGT
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TGCTATGGAGCAGAGTTTTCCCATTTTCAGAAGATAATGACTCACATGGGAATTGAACTG
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CCCAACCCAGAGACTGTTAATCATGGATGTTAGAGCTCAAACGGGCTTTTATATACTA
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AAACTTCAGATAAACTAGGGAAAACCTGGGTGCTGAGGTGAAAGCATAACTTTTTTGGCAC
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ACTGCAAGCTCCGCTCCTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCTGAGTGGCTG
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AGAAGCAGTGACGGGGACAAAATCTGTTGCCTGGTGGAAAGAAGGCAAAGGCCTTCAG
CAATCTATATTACCAGCGCTGGATCCTTTGACAGAGAGTGGTCCCTAAACTTAAATTTCA
AGACGGTATAGGCTTGATCTGTCTTATTGTTGCCCTGCGCTAGCACAATTCTG
ACACACAATTGGAACCTACTAAAAATTTTTTTTACTGTTAAAAAAAAAAAAAAAAAACT
CGAC
    
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<b>5' Read Nucleotide Sequence:</b>	<pre>&gt;OriGene 5' read for NM_032782 unedited G TTCAGATTTGTATACGACTCATATAGGGCGGCCGGAATCGGCACGAGGGTTTTCTTCC ACTGAAGTATTGCTTCTCTTTGTTGATATCACAGGACAGACATCAGAACACTTACAGGA TGTGTGTAGTGTGGCATGACAGAGAAGTTGGTTTCTTTAATGTGACTGTAGACCTGGC AGTGTACTATAAGAATCACTGGCAATCAGACACCCGGGTGTGCTGAGCTAGCACTCAGT GGGGCGGCTACTGCTCATGTGATTGTGGAGTAGACAGTTGGAAGAAGTACCCAGTCCAT TTGGAGAGTTAAACTGTGCCTAACAGAGGTGCTCTGACTTTTTCTTCTGCAAGCTCCA TGTTTTACATCTTCCCTTTGACTGTGCTGCTGCTGCTGCTGCTACTACTTACAAGGT CCTCAGAAGTGAATACAGAGCGGAGGTCGGTCAGAATGCCTATCTGCCCTGCTTCTACA CCCCAGCCGCCAGGGAACCTCGTGCCGCTGCTGTTGGGCAAAGGAGCCTGTCTGTGT TTGAATGTGGCAACGTGGTGTCTCAGGACTGATGAAAGGGATGTGAATTATTGGACATCCA GATACTGGCTAAATGGGATTTCCGCANAGGAGATGTGTCCTGACCATAGAGAATGTGA CTCTAGCAGACAGTNGATCTACTGCTGCCGATCCAAATCCCAGGCATAATGAATGATG AANAATTTAACCTGAAGTTGGTCATCANACCAGCCAAGGTCAACCCTGCACCGACTCTGC AGAGAGACTTCACTGCAGCCTTTCCAAGGATGCTTACCACCAGGGGACATGGCCCAGCAG AACACAGACACTGGGAGCCCTCCTGATATAATCTACACAATATCACATTGCCCATGAGTT ACGGACTCTAGATGGCCATGACTACGGNACTCTGGAGCACATCAGATAG</pre>
<b>3' Read Nucleotide Sequence:</b>	<pre>&gt;OriGene 3' read for NM_032782 unedited TATGGACCGCGGCCGGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTAAACAGTAAAAA AAATTTTAGTAAGTTCCAATTGTGTGTCAGAATTGTGCTAGGCGCAGGGGGCAACAATA AGCAAGACAGATCAAGCCTATACCGTCTTAAAATTTAAGTTTAGGGACCACTCTCTGTCA AAGGATCCAGCGCTGGTAATATAGATTGCTGAAGGCCTTTGCCTCTTTCCACCAGGCAA CAGAATTTGTGTCCCGTCACTGCTTCTTCTTGTGAAAAATATAGCTTCAGTTTGGTC CACGAATACAGAAGTTGGTCAGAGATATTTTCTTCAAGCACACAACAAGCAAAACTTGG CCAATACACCAATCAAATGCACCTTCTTTTTCCCTGGGAGCTCCTGCCACATCTCAGC CCTGCAGGGCAGTCTTATAAGGGAGACAAAAGAAGGGCTATGCACTGGCACTGACAGTT GGGCAGGTAGTGTCAAATAAGCCTAAATCTCAACATTTCAAGGGAACTTCAAGATCAA GGTAGACCTAGTCCAGTCATCTTAAATCTTTAAGGATCACTGGCTGGATGTGGTGGCT CACGCCTGTAATCCCAGTCTTTGGGAGGCCAGGCAGGCAAAATCATGAGGTCAGGAGTT TGAGACCACACTGGCCAACATGGTGAAACCCTGTCTCTACTAAAAATACAACAAATTAGC TGGGCATGGTGGTGCATGCCTGTAATCCCAGCCACTCAGGAGGCTGAGGCAGGAGAATCG CTTGAACCCAGGAGGGCGAGCTTGCAGTGAAGCGAGATTGTGCCATTNGCACTCAGCCTG GGCAACANGAGCAGACTNCATCTCAAAAACAAAAACAAAGGGATCCCAGATCTCTTTGAA ATCAGTGCCCCCTTAGACTTCTGTGCAAAAAGTATGCTTCCACTCAGACCCAGTTTCCC TAGTTATCTTGAATCCATGGAACCTGATGGGCCG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_032782
<b>Insert Size:</b>	2660 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="#">NM_032782.3</a> , <a href="#">NP_116171.3</a>
<b>RefSeq Size:</b>	2338 bp
<b>RefSeq ORF:</b>	906 bp
<b>Locus ID:</b>	84868
<b>UniProt ID:</b>	<a href="#">Q8TDQ0</a>
<b>Cytogenetics:</b>	5q33.3
<b>Domains:</b>	IG
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>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]</p>