

## Product datasheet for **RG217289**

### TIM 1 (HAVCR1) (NM\_001099414) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TIM 1 (HAVCR1) (NM_001099414) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HAVCR1
Synonyms:	HAVCR; HAVCR-1; KIM-1; KIM1; TIM; TIM-1; TIM1; TIMD-1; TIMD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217289 representing NM_001099414 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATCCTCAAGTGGTCATCTTAAGCCTCATCTACATCTGGCAGATTCTGTAGCTGGTCTGTAAAGG  
TTGGTGGAGAGGCAGGTCCATCTGTCACACTACCTGCCACTACAGTGGAGCTGTCACATCCATGTGCTG  
GAATAGAGGCTCATGTTCTCTATTACATGCCAAAATGGCATTGTCTGGACCAATGGAACCCACGTCACC  
TATCGGAAGGACACACGCTATAAGCTATTGGGGGACCTTCAAGAAGGGATGTCTCTTGACCATAGAAA  
ATACAGCTGTGTCTGACAGTGGCGTATATTGTTGCCGTGTGAGCACCGTGGGTGGTTCATGACATGAA  
AATCACCGTATCATTGGAGATTGTGCCACCAAGGTCAGGACTACTCCAATTGTCACAACGTTCCAACC  
GTCACGACTGTTGCAACGAGCACCCTGTTCCAACGACAACGACTGTTCCAATGACGACTGTTCCAACGA  
CAACTGTTCCAACAACAATGAGCATTCCAACGACAACGACTGTTCTGACGACAATGACTGTTTCAACGAC  
AACGAGCGTTCACGACAACGAGCATTCCAACAACAACAAGTGTCCAGTGACAACAACGTCTCTACC  
TTTGTCTCCTCAATGCCTTTGCCAGGCAGAACCATGAACAGTAGCCACTTCACCATCTTCACCTCAGC  
CAGCAGAAACCCACCCTACGACTGCAGGGAGCAATAAGGAGAGAACCCACCAGCTCACCATTGTACTC  
TTACACAACAGATGGGAATGACACCGTGACAGAGTCTTCAGATGGCCTTTGGAATAACAATCAAACCTCAA  
CTGTTCTAGAACATAGTCTACTGACGGCCAATACCACTAAAGGAATCTATGCTGGAGTCTGTATTTCTG  
TCTTGGTCTTCTGCTCTTTGGGTGTCATTTGCCAAAAAGTATTTCTTCAAAAAGGAGGTTCAACA  
ACTAAGTGTTCATTTAGCAGCCTTCAAATTAAGCTTTGCAAAAATGCAGTTGAAAAGGAAGTCCAAGCA  
GAAGACAATATCTACATTGAGAATAGTCTTTATGCCACGGAC

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG217289 representing NM\_001099414  
 Red=Cloning site Green=Tags(s)

MHPQVVILSLILHLADSVAGSVKVGGEAGPSVTLPCHYSGAVTSMCWNRGSCSLFTCQNGIVWTNGTHVT  
 YRKDTRYKLLGDLRRDVSILTIENTAVSDSGVYCCRVEHRGWFNMKITVSLIEIVPKVTTTPIVTTVPT  
 VTTVRTSTTVPTTTTVPMTTVPMTTVPMTTMSIPTTTTTLTMTVSTTTSVPTTTSIPTTTSVPVTTTST  
 FVPPMPLPRQNHPEVATSPSSPQPAETHPTTLQGAIRREPTSSPLYSYTTDGNDTVTESSDGLWNNNQIQ  
 LFLEHSLLTANTTKGIYAGVCISVLVLLALLGVIIAKKYFFKKEVQQLSVSFSSLQIKALQNAVEKEVQA  
 EDNIYIENSLYATD

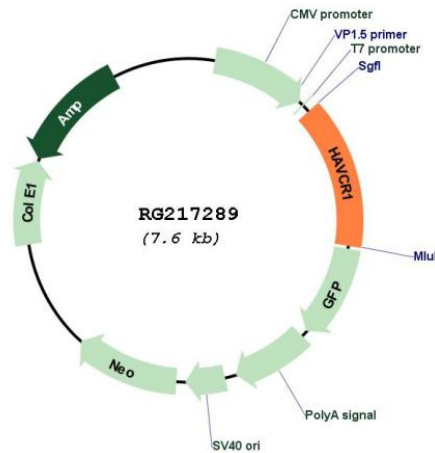
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001099414

<b>ORF Size:</b>	1092 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001099414.1</a> , <a href="#">NP_001092884.1</a>
<b>RefSeq Size:</b>	1493 bp
<b>RefSeq ORF:</b>	1095 bp
<b>Locus ID:</b>	26762
<b>Cytogenetics:</b>	5q33.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	The protein encoded by this gene is a membrane receptor for both human hepatitis A virus (HHAV) and TIMD4. The encoded protein may be involved in the moderation of asthma and allergic diseases. The reference genome represents an allele that retains a MTTVP amino acid segment that confers protection against atopy in HHAV seropositive individuals. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 4, 12 and 19. [provided by RefSeq, Apr 2015]