

Product datasheet for **RG217039**

TIM 1 (HAVCR1) (NM_012206) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIM 1 (HAVCR1) (NM_012206) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TIM 1
Synonyms:	CD365; 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:	>RG217039 representing NM_012206 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCATCCTCAAGTGGTCATCTTAAGCCTCATCTACATCTGGCAGATTCTGTAGCTGGTTCTGTAAAGG
 TTGGTGGAGAGGCAGGTCCATCTGTACACTACCCTGCCACTACAGTGGAGCTGTACATCCATGTGCTG
 GAATAGAGGCTCATGTTCTCTATTCACATGCCAAATGGCATTGTCTGGACCAATGGAACCCACGTCACC
 TATCGGAAGGACACACGCTATAAGCTATTGGGGGACCTTTCAAGAAGGGATGTCTCTTTGACCATAGAAA
 ATACAGCTGTGTCTGACAGTGGCGTATATTGTTGCCGTGTTGAGCACCGTGGGTGGTTCAATGACATGAA
 AATCACCGTATCATTGGAGATTGTGCCACCAAGGTCACGACTACTCCAATTGTCACAACGTGTCCAACC
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 CAACTGTTCCAACAACAATGAGCATTCCAACGACAACGACTGTTCTGACGACAATGACTGTTTCAACGAC
 AACGAGCGTTCACGACAACGAGCATTCCAACAACAACAAGTGTCCAGTGACAACAACGTCTCTACC
 TTTGTTCTCCAATGCCTTTGCCAGGCAGAACCATGAACCAAGTAGCCACTTCACCATCTTCACCTCAGC
 CAGCAGAAACCCACCCTACGACTGCAGGGAGCAATAAGGAGAGAACCCACCAGCTCACCATTGTACTC
 TTACACAACAGATGGGAATGACACCGTGACAGAGTCTTCAGATGGCCTTTGGAATAACAATCAAACCTCAA
 CTGTTCTAGAACATAGTCTACTGACGGCCAATACCACTAAAGGAATCTATGCTGGAGTCTGTATTTCTG
 TCTTGGTGCTTCTGCTCTTTTGGGTGTATCATTGCCAAAAAGTATTTCTTCAAAAAGGAGGTCAACA
 ACTAAGTGTTCATTTAGCAGCCTTCAAATTAAGCTTTGCAAAATGCAGTTGAAAAGGAAGTCCAAGCA
 GAAGACAATATCTACATTGAGAATAGTCTTTATGCCACGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG217039 representing NM_012206
 Red=Cloning site Green=Tags(s)

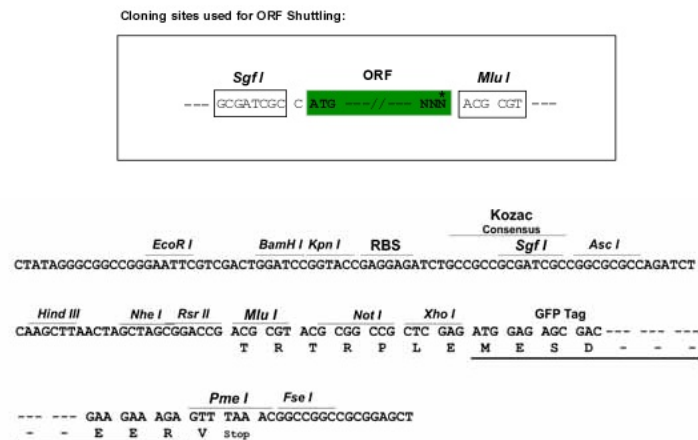
MHPQVVILSLILHLADSVAGSVKVGGEAGPSVTLPCCHYSGAVTSMCWNRGSCSLFTCQNGIIVTNGTHVT
 YRKDTRYKLLGDLRRDVSLEIENAVSDSGVYCCRVHRGWFNMDKITVSLIIVPPKVTTPITVTVPT
 VTTVRTSTTVPTTTTVPMTTVPMTTVPMTTMSIPTTTTTLTMTVSTTTSVPTTTSIPTTTSVPVTTTST
 FVPPMPLPRQNHPEPVATSPSSPQPAETHPTTLQGAIRREPTSSPLYSYTTDGNLTVTESSDGLWNNQQTQ
 LFLEHSLLTANTTKGIYAGVCISVLVLLALLGVIIAKKYFFKKEVQQLSVSFSSQLIKALQNAVEKEVQA
 EDNIYIENSLYATD

TRTRPLE – GFP Tag – V

Chromatograms: https://cdn.origene.com/chromatograms/ja2083_a03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012206

ORF Size: 1092 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_012206.3](#), [NP_036338.2](#)

RefSeq Size: 1841 bp

RefSeq ORF: 1095 bp

Locus ID: 26762

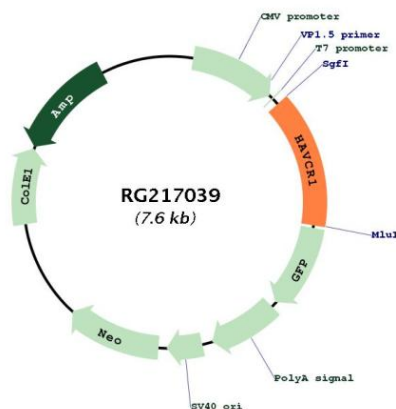
UniProt ID: [Q96D42](#)

Cytogenetics: 5q33.3

Protein Families: Druggable Genome, Transmembrane

Gene Summary: 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]

Product images:



Circular map for RG217039