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Product datasheet for RC217289

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:	Myc-DDK
Symbol:	TIM 1
Synonyms:	HAVCR; HAVCR-1; KIM-1; KIM1; TIM; TIM-1; TIM1; TIMD-1; TIMD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC217289 representing NM_001099414
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCATCCTCAAGTGGTCATCTTAAGCCTCATCCTACATCTGGCAGATTCTGTAGCTGGTTCTGTAAAGG
TTGGTGGAGAGGCAGGTCCATCTGTCACACTACCCTGCCACTACAGTGGAGCTGTCACATCCATGTGCTG
GAATAGAGGCTCATGTTCTCTATTCACATGCCAAAATGGCATTGTCTGGACCAATGGAACCCACGTCACC
TATCGGAAGGACACACGCTATAAGCTATTGGGGGACCTTTCAAGAAGGGATGTCTCTTTGACCATAGAAA
ATACAGCTGTGTCTGACAGTGGCGTATATTGTTGCCGTGTTGAGCACCGTGGGTGGTTCAATGACATGAA
AATCACCGTATCATTGGAGATTGTGCCACCCAAGGTCACGACTACTCCAATTGTCACAACTGTTCCAACC
GTCACGACTGTTCGAACGAGCACCACTGTTCCAACGACAACGACTGTTCCAATGACGACTGTTCCAACGA
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AACGAGCGTTCCAACGACAACGAGCATTCCAACAACAACAAGTGTTCCAGTGACAACAACTGTCTCTACC
TTTGTTCCTCCAATGCCTTTGCCCAGGCAGAACCATGAACCAGTAGCCACTTCACCATCTTCACCTCAGC
CAGCAGAAACCCACCCTACGACACTGCAGGGAGCAATAAGGAGAGAACCCACCAGCTCACCATTGTACTC
TTACACAACAGATGGGAATGACACCGTGACAGAGTCTTCAGATGGCCTTTGGAATAACAATCAAACTCAA
CTGTTCCTAGAACATAGTCTACTGACGGCCAATACCACTAAAGGAATCTATGCTGGAGTCTGTATTTCTG
TCTTGGTGCTTCTTGCTCTTTTGGGTGTCATCATTGCCAAAAAGTATTTCTTCAAAAAGGAGGTTCAACA
ACTAAGTGTTTCATTTAGCAGCCTTCAAATTAAAGCTTTGCAAAATGCAGTTGAAAAGGAAGTCCAAGCA
GAAGACAATATCTACATTGAGAATAGTCTTTATGCCACGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

>RC217289 representing NM_001099414
Red=Cloning site Green=Tags(s)

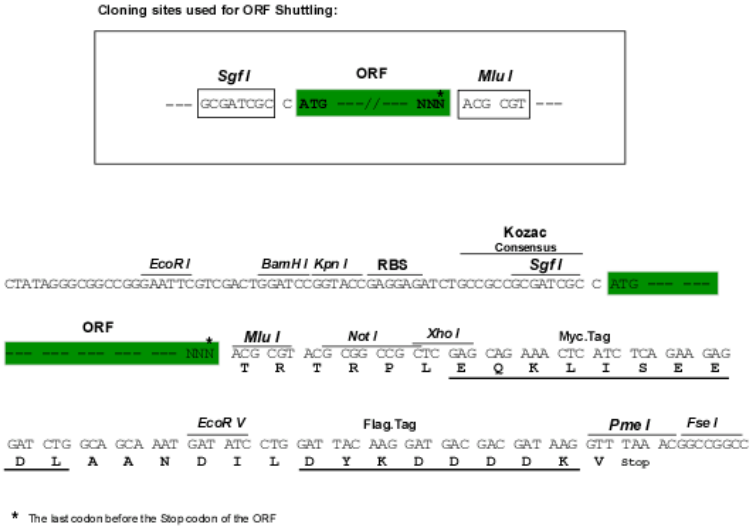
MHPQVVILSLILHLADSVAGSVKVGGEAGPSVTLPCHYSGAVTSMCWNRGSCSLFTCQNGIVWTNGTHVT
YRKDTRYKLLGDLSRRDVSLTIENTAVSDSGVYCCRVEHRGWFNDMKITVSLEIVPPKVTTTPIVTTVPT
VTTVRTSTTVPTTTTVPMTTVPTTTVPTTMSIPTTTTVLTTMTVSTTTSVPTTTSIPTTTSVPVTTTVST
FVPPMPLPRQNHEPVATSPSSPQPAETHPTTLQGAIRREPTSSPLYSYTTDGNDTVTESSDGLWNNNQTQ
LFLEHSLLTANTTKGIYAGVCISVLVLLALLGVIIAKKYFFKKEVQQLSVSFSSLQIKALQNAVEKEVQA
EDNIYIENSLYATD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4170_b05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001099414

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).

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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_001099414.1, NP_001092884.1

RefSeq Size: 1493 bp

RefSeq ORF: 1095 bp

Locus ID: 26762

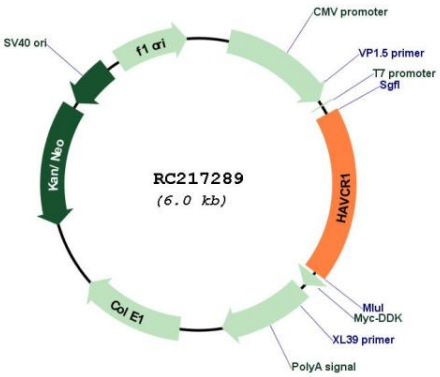
Cytogenetics: 5q33.3

Protein Families: Druggable Genome, Transmembrane

MW: 39.25 kDa

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 RC217289

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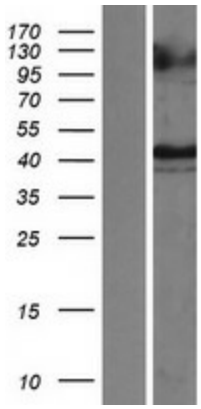
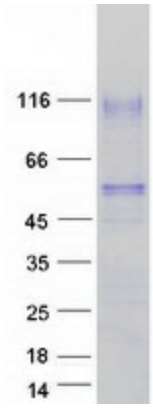


Western blot validation of overexpression lysate (Cat# [LY420451]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217289 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HAVCR1 protein (Cat# [TP317289]). The protein was produced from HEK293T cells transfected with HAVCR1 cDNA clone (Cat# RC217289) using MegaTran 2.0 (Cat# [TT210002]).

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