

## Product datasheet for **MG227388**

### Havcr1 (NM\_134248) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Havcr1 (NM_134248) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Havcr1
Synonyms:	AI503787; KIM-1; TIM-1; Tim1; Timd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227388 representing NM_134248 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATCAGATTCAGTCTTCATTTAGGCCTCATACTGCTTCTCCAGGCGCTGTGGATTCTTATGTGG  
AAGTAAAGGGGGTGGTGGGTCACCCTGTCACACTTCCATGTACTTACTCAACATATCGTGGAAATCACAAC  
GACATGTTGGGGCCGAGGGCAATGCCATCTTCTGCTTGTCAAATACACTTATTTGGACCAATGGACAT  
CGTGTCACCTATCAGAAGAGCAGTCGGTACAACCTAAAGGGGCATATTTGAGAAGGAGATGTGTCCTTGA  
CGATAGAGAACTCTGTTGAGAGTGACAGTGGTCTGTATTGTTGTCGAGTGGAGATTCCTGGATGGTTTAA  
TGATCAGAAAGTGACCTTTTCATTGCAAGTTAAACCAGAGATTCACACAGTCTCCAAGAAGACCCACA  
ACTACAAGGCCACAGCTACAGGAAGACCCACGACTATTTCAACAAGATCCACACATGTACCAACATCAA  
CCAGAGTCTCTACCTCCACTCCTCCAACATCTACACACATGGACTCACAAACCAGAACCCTACATT  
TTGTCCCATGAGACAACAGCTGAGGTGACAGGAATCCCATCCCATACTCCTACAGACTGGAATGGCACT  
GTGACATCCTCAGGAGATACCTGGAGTAATCACACTGAAGCAATCCCTCCAGGGAAGCCGAGAAAAACC  
CTACTAAGGGCTTCTATGTTGGCATCTGCATCGCAGCCCTGCTGCTACTGCTCCTGTGAGCACCCTGGC  
TATCACCAGGTACATACTTATGAAAAGGAAGTCAGCATCTCTAAGCGTGGTTGCCTCCGTGTCTCTAAG  
ATTGAAGCTTTGCAGAACGCAGCGGTTGTGCATTCCCGAGCTGAAGACAACATCTACATTGTTGAAGATA  
GACCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG227388 representing NM\_134248  
 Red=Cloning site Green=Tags(s)

MNQIQVFI SGLILL LPGA VDSYVEVKGVVGH PVTLPCTYSTYRGI TTTTCWGRGQCPSSACQNTLIW TNGH  
 RVTYQKSSRYNLKGHISEGDVSLTIENSVESD SGLYCCRVEIPGWFNDQKVTFSLQVKPEIPTRPPRRPT  
 TTRPTATGRPTTISTRSTHVPTSTRVSTSTPPTSTHTWTHKPEPTTFCPHETTAEVTGIPSHPTDWNGT  
 VTSSGDTWSNHTEAIPPGKPKQKNPTKGFVYGICIAALL LLLL VSTVAITRYILMKRKSASLSVVAFRVSK  
 IEALQNAAVVHSRAEDNIYIVEDRP

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1698\\_c10.zip](https://cdn.origene.com/chromatograms/ja1698_c10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_134248

**ORF Size:** 915 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.

**RefSeq:** [NM\\_134248.2](#), [NP\\_599009.2](#)

**RefSeq Size:** 1909 bp

**RefSeq ORF:** 918 bp

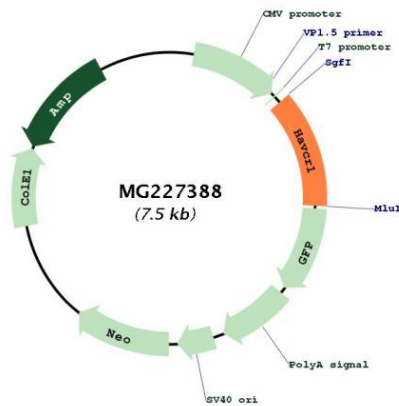
**Locus ID:** 171283

**UniProt ID:** [Q5QNS5](#)

**Cytogenetics:** 11 B1.1

**Gene Summary:** May play a role in T-helper cell development and the regulation of asthma and allergic diseases. Receptor for TIMD4. May play a role in kidney injury and repair (By similarity). [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG227388