

## Product datasheet for **RG228280**

### **TIM 4 (TIMD4) (NM\_001146726) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TIM 4 (TIMD4) (NM_001146726) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TIM 4
Synonyms:	SMUCKLER; TIM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<p>&gt;RG228280 representing NM_001146726</p> <p>Red=Cloning site Blue=ORF Green=Tags(s)</p>

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGTCCAAAGAACCTCTCATTCTCTGGCTGATGATTGAGTTTTGGTGGCTTTACCTGACACCAGTCACTT  
 CAGAGACTGTTGTGACGGAGGTTTTGGGTACCGGGTGAATTTGCCCTGTCTGTACTCATCCTGGTCTCA  
 CAACAGCAACAGCATGTGCTGGGGGAAAGACCAGTGCCCTACTCCGGTTGCAAGGAGGCGCTCATCCGC  
 ACTGATGGAATGAGGGTGACCTCAAGAAAGTCAGCAAAATATAGACTTCAGGGGACTATCCCGAGAGGTG  
 ATGTCTCCTTGACCATCTTAAACCCAGTGAAAGTGACAGCGGTGTGTACTGCTGCCGCATAGAAGTGCC  
 TGGCTGGTTCAACGATGTAAAGATAAACGTGCGCCTGAATCTACAGAGAGCCTCAACAACACGCACAGA  
 ACAGCAACCACCACACGCAGAACAAACAACAAGCCCCACCACCACCCGACAAATGACAACAACCC  
 CAGCTGCACTTCCAACAACAGTCGTGACCACACCCGATCTCACAACCGGAACACCACTCCAGATGACAAC  
 CATTGCCGTCTTCAACAGCAAAACACGTGCCTTTCACTAACCCCAAGCACCCCTTCCGGAGGAAGCCACA  
 GGTCTTCTGACTCCCGAGCCTTCTAAGGAAGGGCCCATCTCACTGCAGAATCAGAACTGTCTCCCCA  
 GTGATTCCTGGAGTAGTGTGAGTCTACTTCTGCTGACTGTCTGCTGACATCCAAAGCATCTGATAC  
 AGCAGTTCCTGAGCAGAACAAAACAACAAAACAGGACAGATGGATGGAATACCCATGTCAATGAAGAAT  
 GAAATGCCCATCTCCCACTACTGATGATCATCGCCCCCTCCTTGGGATTGTGCTCTTCGATTGTTTG  
 TGGCGTTTCTCCTGAGAGGGAACTCATGAAACCTATTGTTTCGAGAAACACACAAGGCTAGACTACAT  
 TGGAGATAGTAAAAATGCTCTCAATGACGTGCAGCATGGAAGGAAGACGAAGACGGCCTTTTACCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

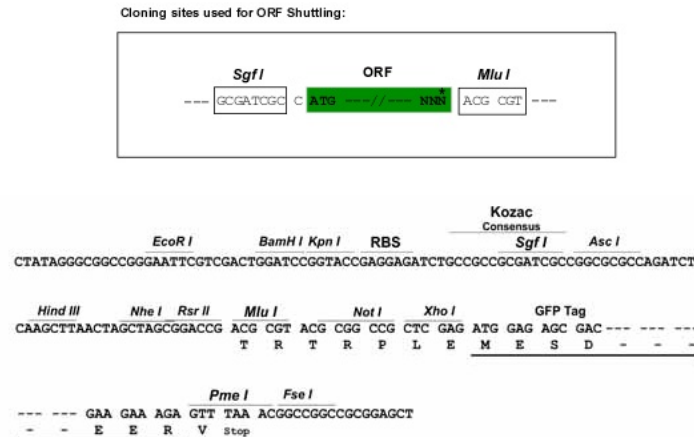
**Protein Sequence:** >RG228280 representing NM\_001146726  
 Red=Cloning site Green=Tags(s)

MSKEPLILWLMIEFWWL YLTPVTSETVVTEVLGHRVTLPCLYSSWSHNSNSMCWGDQCPYSGCKEALIR  
 TDGMRVTSRKSAKYRLQGTIPRGDVS LILNPSESDSGVYCCRIEVPWFNDVKINVRLNLQRASTTTHR  
 TATTTTRTTTTSP TTTTRQMTTTPAALPTTVVTPDLTTGTPLQMTTIAVFTTANTCLSLTPSTLPEEAT  
 GLLTPEPSKEGPILTA ESETVLPDSWSSVESTSADTVLLTSKASDTAVPEQNKTTKTGQMDGIPMSMKN  
 EMPISQLLMIAPSLGFVLFALFVAFLLRGKLMETCYCSQKHTRLDYIGDSKNVLNDVQHGREDEDGLFTL

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001146726

**ORF Size:** 1050 bp

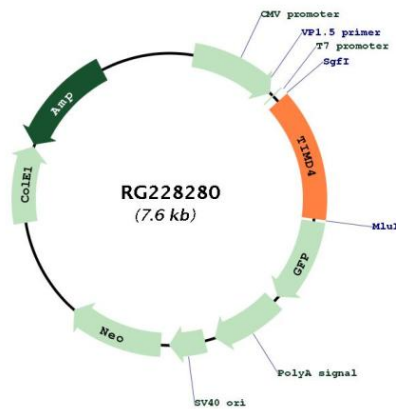
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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:	<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>
RefSeq:	<a href="#">NM_001146726.2</a>
RefSeq Size:	1290 bp
RefSeq ORF:	1053 bp
Locus ID:	91937
UniProt ID:	<a href="#">Q96H15</a>
Cytogenetics:	5q33.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Involved in regulating T-cell proliferation and lymphotoxin signaling. Ligand for HAVCR1/TIMD1 (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG228280