

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:	TIMD4
Synonyms:	SMUCKLER; TIM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228280 representing NM_001146726 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAAAGAACCTCTCATTCTCTGGCTGATGATTGAGTTTTGGTGGCTTTACCTGACACCAGTCACTT
CAGAGACTGTTGTGACGGAGGTTTTGGGTACCCGGGTGACTTTGCCCTGTCTGTACTCATCTGGTCTCA
CAACAGCAACAGCATGTGCTGGGGAAAGACCAGTGCCCTACTCCGGTTGCAAGGAGGCGCTCATCCGC
ACTGATGGAATGAGGGTGACCTCAAGAAAGTCAGCAAAATATAGACTTCAGGGGACTATCCCGAGAGGTG
ATGTCTCCTTGACCATCTAAACCCAGTGAAAGTGACAGCGGTGTGTACTGCTGCCGCATAGAAGTGCC
TGGCTGGTTCAACGATGTAAGATAAACGTGCGCCTGAATCTACAGAGAGCCTCAACAACCACGCACAGA
ACAGCAACCACCACACGCAGAAACAACAACAAGCCCCACCACCACCCGACAAATGACAACAACCC
CAGCTGCACCTTCCAACAACAGTCGTGACCACACCCGATCTCACAACCGGAACACCACTCCAGATGACAAC
CATTGCCGTCTTCAACAGCAACACGTGCCTTTCACTAACCCCAAGCACCCCTCCGGAGGAAGCCACA
GGTCTTCTGACTCCCGAGCCTTCTAAGGAAGGGCCCATCTCACTGCAGAATCAGAACTGTCTCCCA
GTGATTCTGGAGTAGTGTGAGTCTACTTCTGCTGACTGTCTGTGACATCCAAGCATCTGATAC
AGCAGTTCTGAGCAGAACAAAAACAACAAACAGGACAGATGGATGGAATACCCATGTCAATGAAGAAT
GAAATGCCATCTCCAACTACTGATGATCATCGCCCCCTCTTGGGATTTGTGCTTTTCGATTTGTTG
TGGCGTTTCTCCTGAGAGGGAAACTCATGGAAACCTATTGTTTCGAGAAACACACAAGGCTAGACTACAT
TGGAGATAGTAAAAATGCTCTCAATGACGTGCAGCATGGAAGGGAAGACGAAGACGGCCTTTTACCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228280 representing NM_001146726
Red=Cloning site Green=Tags(s)

MSKEPLILWLMIEFWWL YLTPVTSETVVTEVLGHRVTL PCLYSSWSHNSNSMCWGDQCPYSGCKEALIR
 TDGMRVTSRKS AKYRLQGTIPRGD VSLTILNPSESDSGVYCCRIEVPGW FNDVKINVRNLQRAS TTT HR
 TATTTTRRTTTTSP TTTTRQMTTTPAALPTTVV TTPDLT TGTPLQMTTIAVF TTTANTCLSL TPSTLPEEAT
 GLLTPEPSKEGPILTA ESETVLPDSWSVVESTSADTVLLTSKASDTAVPEQNKTTKTGQMDGIPMSMK N
 EMPISQLLMIIAPSLGFVLFALFVAFLLRGLMETYCSQKHTRLDYIGDSKNV LNDVQHGREDEDGLFTL

TRTRPLE - GFP Tag - V

Restriction Sites:

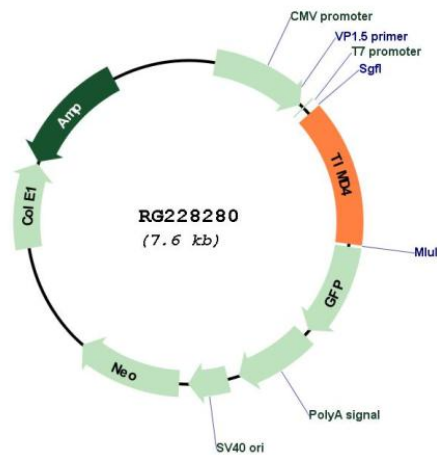
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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">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_001146726.2
RefSeq Size:	1290 bp
RefSeq ORF:	1053 bp
Locus ID:	91937
UniProt ID:	Q96H15
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]