

Product datasheet for RC203848

TIM 4 (TIMD4) (NM_138379) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TIM 4
Synonyms:	SMUCKLER; TIM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203848 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAAAGAACCTCTCATTCTCTGGCTGATGATTGAGTTTTGGTGGCTTTACCTGACACCACTCACTT
CAGAGACTGTTGTGACGGAGGTTTTGGGTCACCGGGTGACTTTGCCCTGTCTGTACTCATCTGGTCTCA
CAACAGCAACAGCATGTGCTGGGGGAAAGACCACTGCCCTACTCCGGTTGCAAGGAGGCGCTCATCCGC
ACTGATGGAATGAGGGTGACCTCAAGAAAGTCAGCAAAATATAGACTTCAGGGGACTATCCCGAGAGGTG
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CATTGCCGTCTTCAACAGCAAAACAGTCGCTTTCACTAACCCCAAGCACCCCTCCGGAGGAAGCCACA
GGTCTTCTGACTCCCGAGCCTTCTAAGGAAGGGCCATCCTCACTGCAGAATCAGAACTGTCTCCCCA
GTGATTCCTGGAGTAGTGCTGAGTCTACTTCTGCTGACTGCTCTGCTGACATCCAAAGAGTCCAAAGT
TTGGGATCTCCCATCAACATCCACGTGTCAATGTGGAACAGAGTATTCTGTGCTTCTCCTCAGCCT
GGAGCATCTGATACAGCAGTTCTGAGCAGAAACAAACAAACAGGACAGATGGATGGAATACCCA
TGTCATGAAGAATGAAATGCCATCTCCCACTACTGATGATCATCGCCCCCTCTTGGGATTTGTGCT
CTTCGATTGTTTGTGGCGTTTCTCCTGAGAGGAAACTCATGGAACCTATTGTTTCGAGAAACACACA
AGGCTAGACTACATTGGAGATAGTAAAAATGTCCTCAATGACGTGCAGCATGGAAGGGAAGACGAAGACG
GCCTTTTACCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC203848 protein sequence
Red=Cloning site Green=Tags(s)

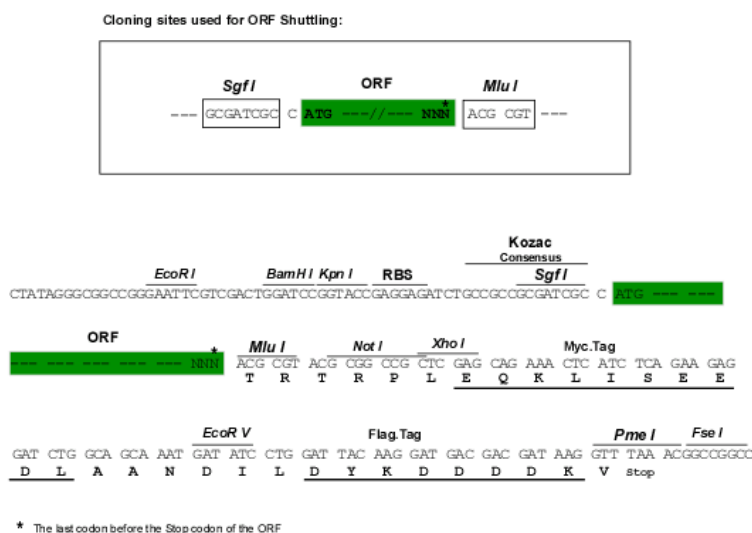
MSKEPLILWLMIEFWWL YLTPVTSETVVEVLGHRVTLPCLYSSWSHNSNSMCWGKDQCPYSGCKEALIR
 TDGMRVTSRKSAYRLQGTIPRGDVSILTNPSESDSGVYCCRIEVPGWFNVDKINVRLNLQRASTTTTHR
 TATTTTRRTTTTSPTTTRQMTTTPAALPTTVVTPDILTGTPLQMTTIAVFTTANTCLSLTPSTLPEEAT
 GLLTPEPSKEGPILTAESETVLPSDSWSSAESTSADTVLLTSKESKVWDLPTSHVSMWKTSDSVSSPQP
 GASDTAVPEQNKTKTGQMDGIPMSMKNEPISQLLMIAPSLGFVLFALFVAFLLRGKLMETYCSQKHT
 RLDYIGDSKNVLNDVOHGREDEDGLFTL

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6541_c06.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 138379

ORF Size: 1134 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_138379.1](#), [NP_612388.1](#)

RefSeq Size: 1374 bp

RefSeq ORF: 1137 bp

Locus ID: 91937

UniProt ID: [Q96H15](#)

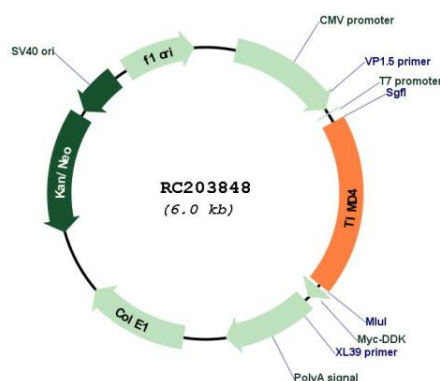
Cytogenetics: 5q33.3

Protein Families: Druggable Genome, Transmembrane

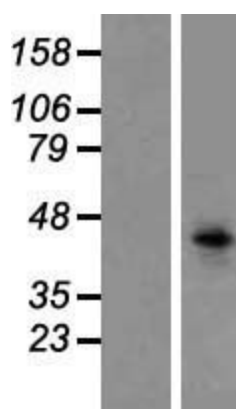
MW: 41.6 kDa

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]

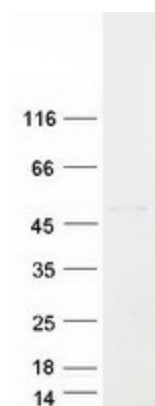
Product images:



Circular map for RC203848



Western blot validation of overexpression lysate (Cat# [LY408645]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203848 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TIMD4 protein (Cat# [TP303848]). The protein was produced from HEK293T cells transfected with TIMD4 cDNA clone (Cat# RC203848) using MegaTran 2.0 (Cat# [TT210002]).