

Product datasheet for **RC226937**

TARM1 (NM_001135686) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TARM1
Synonyms:	OLT-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC226937 representing NM_001135686
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCCTAAGCTGCTTCCCTCCTCTGTTCAGACTGTGCGTGGGCCAAGGAGACACAAGGGGAGATG
GGTCACTGCCAAGCCGTCCTCAGTGCCTGGCCAGCTCGGTGGTCCCTGCCAACAGCAATGTGACGCT
GCGATGTTGGACTCCTGCCAGAGGTGTGAGCTTGTCTCAGGAAGGGAGGAATTATTCTGGAGTCCCCG
AAGCCCCTTGATTCTACAGAGGGCGCGGCCGAATTTACCTCAATAATCTAAAAGTCAGAAATGCTGGAG
AGTACACCTGTGAATACTACAGAAAAGCATCCCCCAGATCCTTTACAGCGCAGTGACGTCCTTCTACT
GTTGGTGACAGGACATTTATCTAAACCTTTCCTCCGAACCTACCAAGGGGTACAGTGACCGCAGGTGGA
AGGGTGACTCTGCAGTGCCAGAAGCGAGACCAATTGTTGTGCCTATCATGTTGCTCTACTGAAGGCAG
GGACGCCATCACCATCCAGTGCAGAGTCCAGCGGGAAGGAGATAGACTTCTCTGGTGACGTGAC
AGCCGGCGATGCTGGAACTACAGTGCATGTACTACCAGCAAAGTCTCCCTTCTGGGCCTCAGAACCC
AGTGATCAGCTTGAGATATTGGTGACAGTTCCTCCAGGTACCATCGAGCAACTACTCCCTGGGTAAC
TCGTACGACTGGGTCTGGCTGCCGTAATTGTGTTATCATGGGAGCTTTCCTGGTGGAGCCTGGTACAG
CCGGAATGTGTCTCCAGGTGAATCAGAGGCCTTCAAACAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC226937 representing NM_001135686
Red=Cloning site Green=Tags(s)

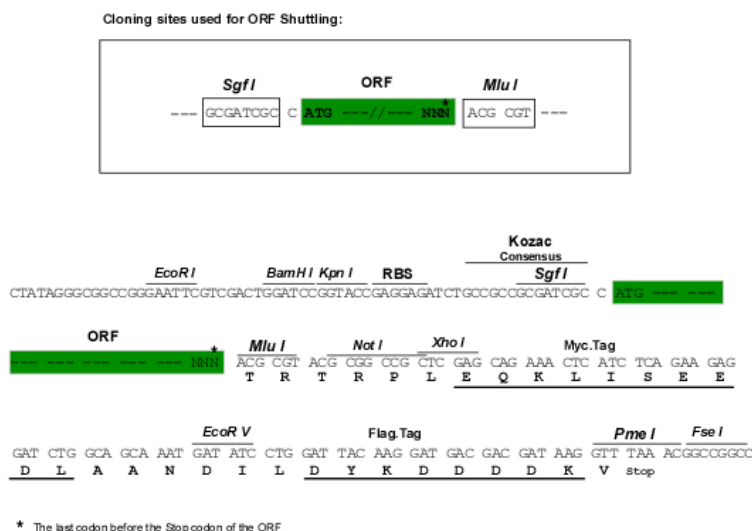
MIPKLLSLLCFRLCVGQGDRGDSLKPSSLAWPSSVVPANSNVLRCWTPARGVSFVLRKGGIILESP
 KPLDSTEGAAEFHLNKLKVRNAGEYTC EYRKASPHILSQRSVDVLLLLVTGHL SKPFLRTYQRGVTTAGG
 RVTLCQCKRDQLFVPMIFALLKAGTPSPIQLQSPAGKEIDFSLVDVTAGDAGNYSCHMYQT KSPFWASEP
 SDQLEILVTVPPTSSNYSLGNEVRLGLAAVIVVIMGAFLVEAWYSRNVSPGESEAFKPE

TRTRPLFOKLISEFDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8032_q06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001135686

ORF Size: 813 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_001135686.1](#), [NP_001129158.1](#)

RefSeq ORF: 816 bp

Locus ID: 441864

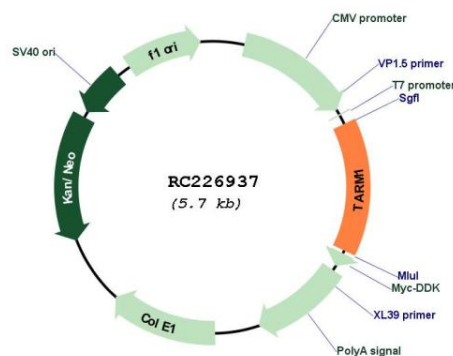
UniProt ID: [B6A8C7](#)

Cytogenetics: 19q13.42

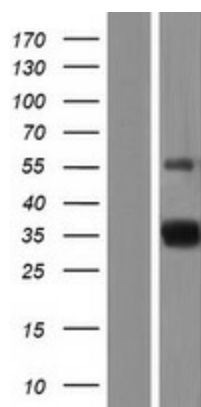
MW: 29.3 kDa

Gene Summary: May act as receptor (By similarity). Negatively regulates TCR-mediated CD4(+) T cell proliferation and activation, possibly by binding an unknown ligand on the T cell surface (PubMed:26311901). Enhances Toll-like receptor-mediated production of pro-inflammatory cytokines by macrophages and neutrophils (By similarity).[UniProtKB/Swiss-Prot Function]

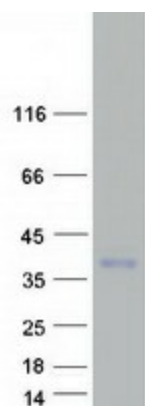
Product images:



Circular map for RC226937



Western blot validation of overexpression lysate (Cat# [LY427668]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226937 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TARM1 protein (Cat# [TP326937]). The protein was produced from HEK293T cells transfected with TARM1 cDNA clone (Cat# RC226937) using MegaTran 2.0 (Cat# [TT210002]).