

Product datasheet for RC217916

TARP (NM_001003806) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TARP (NM_001003806) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TARP
Synonyms: CD3G; TCRG; TCRGC1; TCRGC2; TCRGV
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC217916 representing NM_001003806
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGACTAACGACACATACATGAAATTTAGCTGGTTAACGGTGCCAGAAAAGTCACTGGACAAAGAAC
ACAGATGTATCGTCAGACATGAGAATAATAAAACGGAGTTGATCAAGAAATTATCTTTCTCCAATAAA
GACAGATGTCATACAATGGATCCCAAAGACAATTGTTCAAAGATGCAAATGATACACTACTGCTGCAG
CTCACAACACCTCTGCATATTACATGTACCTCCTCCTGCTCCTCAAGAGTGTGGTCTATTTTGCCATCA
TCACCTGCTGCTGCTTAGAAGAACGGCTTTCTGCTGCAATGGAGAGAAATCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217916 representing NM_001003806
Red=Cloning site Green=Tags(s)

MKTNDTYMKFSWLVPEKSLDKEHRCIVRHENKNGVDQEIIFFPIKTDVITMDPKDNCSKDANDTLLLQ
LNTSAYMYLLLLLKSVMYFAIITCCLLRRTAFCCNGEKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

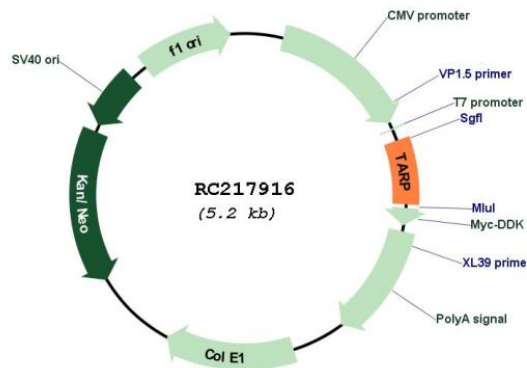


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001003806

ORF Size: 333 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:	<u>NM_001003806.1</u> , <u>NP_001003806.1</u>
RefSeq Size:	1027 bp
RefSeq ORF:	336 bp
Locus ID:	445347
Cytogenetics:	7p14.1
Protein Families:	Transmembrane
MW:	12.7 kDa
Gene Summary:	In some non-lymphoid tissues, the unrearranged T cell receptor gamma (TRG@) locus is expressed. The resulting transcript contains a subset of the TRG@ gene segments and is shorter than TRG@ transcripts expressed in lymphoid tissues. This RefSeq record represents the unrearranged TRG@ locus transcript; the complete TRG@ locus is represented by the genomic RefSeq NG_001336. The transcript represented by this RefSeq has two open reading frames (ORFs) that encode different proteins. The downstream ORF is in the same frame as TRG@ and its protein product is similar to TRG@ proteins. The upstream ORF uses a different reading frame and encodes a novel protein. [provided by RefSeq, Jul 2008]