

## Product datasheet for **SC322749**

### TARP (NM\_001003799) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TARP (NM_001003799) Human Untagged Clone
Tag:	Tag Free
Symbol:	TARP
Synonyms:	CD3G; TCRG; TCRGC1; TCRGC2; TCRGV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322749  
 GCTGAGGGAGGGGACAGGAACCTGAATCTTCAACAGAAGCAAACAACTGGGATGGAGGG  
 CCCAGCCTCATGAAGGTGACCAGAAGGACCCGGTCTGCAGGCTGTGTGGGTAGCTGAGC  
 AGAGCTAAGCGGCTTGACGGACCAACATCTCTCCAGCTGGTTGAAGACAAGCTCTCAGAA  
 GACAATGCTGCATGTACAGCCCCAGCAACCAACAACACCAGCCTGACAACCTGCTGGGG  
 TGGCCGCCTTGTGGTCTGAGGTGGCCGTCTAACTATGTGGTCTGATCTCAGGCTGCAGA  
 CCTTGACAGACTGTCTTACACAGACTGGAAGTGCTAACAGGTGGCTGCCCTGGCAGAAA  
 GCACAGTGCTGCAGACATGCTGTCACTGCTCCACACATCAACGCTGGCAGTCCTTGGGG  
 CTCTGTGTGTATATGGTGCAGGTCACCTAGAGCAACCTCAAATTTCCAGTACTAAAACGC  
 TGTCAAAAACAGCCCGCTGGAATGTGTGGTATCTGGAATAACAATTTCTGCAACATCTG  
 TATATTGGTATCGAGAGAGACCTGGTGAAGTCATACAGTTCCTGGTGTCCATTTTCATATG  
 ACGGCACTGTGAGAAAGGAATCCGGCATTCCGTCAGGCAAATTTGAGGTGGATAGGATAC  
 CTGAAACGCTACATCCACTCTCACCATTACAATGTAGAGAAACAGGACATAGTACCT  
 ACTACTGTGCCTTGTGGGAAGTGTTCGGGGAGTTGGGCAAAAAATCAAGGTATTTGGTC  
 CCGGAACAAAGCTTATCATTACAGATAAACAACCTTGATGCAGATGTTTCCCCAAGCCCA  
 CTATTTTTCTTCCCTTCAATTGCTGAAACAAAGCTCCAGAAGGCTGGAACATACCTTTGTC  
 TTCTTGAGAAATTTTCCCTGATGTTATTAAGATACATTGGGAAGAAAAGAGAGCAACA  
 CGATTCTGGGATCCCAGGAGGGGAACACCATGAAGACTAATGACACATACATGAAATTTA  
 GCTGGTTAACGGTGCCAGAAAAGTCACTGGACAAGAACAACAGATGTATCGTCAGACATG  
 AGAATAATAAAAACGGAGTTGATCAAGAAATTATCTTCCCTCAAATAAAGACAGATGTCA  
 TCACAATGGATCCCAAAGACAATTGTTCAAAAGATGCAATGATACACTACTGCTGCAGC  
 TCACAAACACCTCTGCATATTACAGTACCTCCTCCTGCTCCTCAAGAGTGTGGTCTATT  
 TTGCCATCATCACCTGCTGTCTGCTTAGAAGAACGGCTTTCTGCTGCAATGGAGAGAAAT  
 CATAACAGACGGTGGCACAAAGGAGGCCATCTTTTCCCTCATCGGTTATTGTCCTAGAAGC  
 GTCTTCTGAGGATCTAGTTGGGCTTTCTTCTGGGTTTGGGCCATTTTCAGTTCCTATGTG  
 TGTAATTTCTATCATTATTGTATAACGGTTTTCAAACAGTGGGCACACAGAGAACCTC  
 ACTCTGTAATAACAATGAGGAATAGCCACGGCGATCTCCAGCACCAATCTCTCCATGTTT  
 TCCACAGCTCCTCCAGCCAACCCAAATAGCGCCTGCTATAGTGTAGACATCCTGCGGCTT  
 CTAGCCTTGTCCCTCTCTTAGTGTCTTAATCAGATAACTGCCTGGAAGCCTTTCATTT  
 TACACGCCCTGAAGCAGTCTTCTTTGCTAGTTGAATTATGTGGTGTGTTTTCCGTAATA  
 AGCAAAATAAATTTAAAAAATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_001003799
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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).

<b>Reconstitution Method:</b>	<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>
<b>RefSeq:</b>	<u>NM_001003799.1, NP_001003799.1</u>
<b>RefSeq Size:</b>	1027 bp
<b>RefSeq ORF:</b>	177 bp
<b>Locus ID:</b>	445347
<b>Cytogenetics:</b>	7p14.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) uses the upstream ORF. The resulting protein (isoform 1) localizes to the outer mitochondrial membrane.</p>