Datasheet for ABIN4917900

# Human TARP ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

## Overview

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| Quantity: | 10 µg |
| Gene: | TARP |
| Species: | Human |
| Fusion tag: | DYKDDDDK Tag |
| Insert: | ORF |
| Vector: | Mammalian Expression Vector |
| Application: | Protein Expression (PExp) |

## Product Details

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| Purpose: | Expression/transfection ready cDNA ORF clone of Human TARP with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells. |
| Brand: | GenEZ™ |
| Insert Length: | 177 bp |
| Vector Backbone: | pcDNA3.1+C-(K)-DYK |
| Promoter: | CMV Promoter |
| Selectable Marker: | Neomycin |
| Bacterial Resistance: | Ampicillin |
| Expression Type: | Transient, Stable |
| Sequence: | ATGCAGATGT TTCCCCCAAG CCCACTATTT TTCTTCCTTC AATTGCTGAA ACAAAGCTCC AGAAGGCTGG AACATACCTT TGTCTTCTTG AGAAATTTTT CCCTGATGTT ATTAAGATAC ATTGGCAAGA AAAGAAGAGC AACACGATTC TGGGATCCCA GGAGGGGAAC ACCATGA |
| Specificity: | ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology |

## Product Details

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| Characteristics: | Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence. |
| Sequencing Primer: | • Forward primer: 5'-TAATACGACTCACTATAGGG-3'<br>• Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3' |
| Grade: | End-sequenced |
| Components: | The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial. |

## Target Details

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| Gene: | TARP |
| Alternative Name: | TARP (TARP Products) |
| Background: | 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]. |
| Gene ID: | 445347 |
| NCBI Accession: | NM_001003799 |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Storage: | RT/-20 °C |
| Storage Comment: | • Keep the vial sealed and store at -20°C for long-term storage.<br>• Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.<br>• Open the lid and add 100 µl (or other volume depending on your desired final concentration) |

## Handling

of distilled water (or TE buffer) to dissolve the DNA.

- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

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| Expiry Date: | 12 months |

## Publications

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| Product cited in: | Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, ( 1991) |