

## Product datasheet for RC228190

### TRPT1 (NM\_001160389) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TRPT1 (NM\_001160389) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TRPT1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC228190 representing NM\_001160389  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACTTCTCTGGAGGAGGGAGGCAGGAAGCAGCAGGGTCCAGGGTAGAAGGGCTCCCAGACCCCGAG  
 AACAGGACCGAGACGTGCAGCTGTCCAAGGCTCTGTCTATGCCCTGCGCCATGGGGCTTGAAGCTGGG  
 GCTTCCCATGGGAGCTGATGGCTTCGTGCCCTGGCACCCCTCCTGCAGTTGCCAGTTCCGCGGCTTC  
 TCTGCTGAAGATGTGCAGCGCGTGGTGGACACCAATAGGAAGCAGCGGTTCCGCCCTGCAGCTGGGGGATC  
 CCAGCACTGGCCTTCTCATCCGGCCAACCCAGGGCCATTCCCTGCAGGTCGGGGTACCTAAGTTGGAGCT  
 GATGCCCTGGAGACACCGCAGGCCCTGCCCCGATGCTAGTCCATGGTACATTCTGGAAGCACTGGCCA  
 TCCATCTACTCAAAGCCTGTCTGCCAGGGAAGGACGCACATTACCTGGCCCCAGGACTGCCTGGAG  
 ACCCCGGTATCATCAGTGGCATGCGGTCCATTGTGAAATAGCTGTGTTTCATCGATGGACCCCTGGCTCT  
 GGCAGATGGAATACCCTTCTCCGCTCTGCCAATGGGGTATTCTGACTCCAGGGAATACTGATGGCTTC  
 CTCCTTCCAAGTACTTCAAGGAGGCCCTGCAGCTACGCCCTACCCGAAAGCCCCCTTCTTGCTGGT  
 ATGAAGAGACAGAGTGTGAGTAGCCCAAGCACAGCTCCAGAGAAAGGAGGAGGATCCAACAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC228190 representing NM\_001160389  
 Red=Cloning site Green=Tags(s)

MNFSGGGRQEAAGSRRRAPRPREQDRDVLKALSYALRHGALKLGLPMGADGFVPLGTLQLPQFRGF  
 SAEDVQRVVDNTRKQRFALQLGDPSTGLLIRANQGHSLQVGVPKLELMPLQALPPMLVHGTFWKHWP  
 SILLKGLSCQGRTHIHLAPGLPGDPGIIISGMRSHCEIAVFDGPLALADGIPFFRSANGVILTPGNTDGF  
 LLPKYFKEALQLRPTKPLSLAGDEETECQSSPKHSSRERRRIQQ

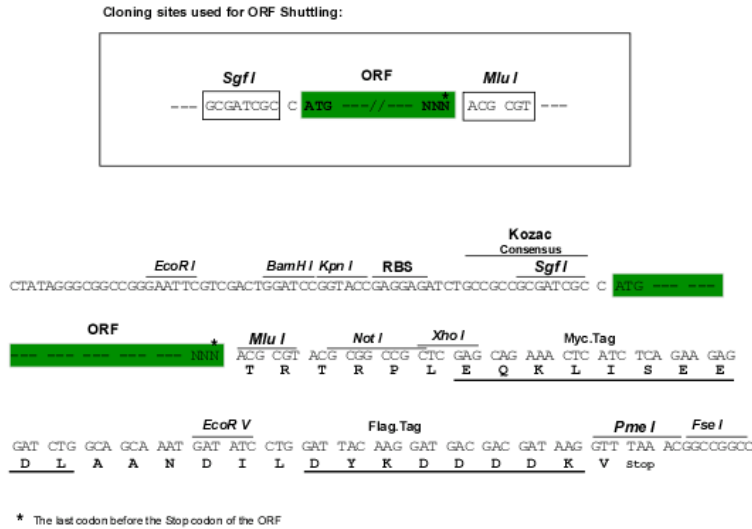
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV



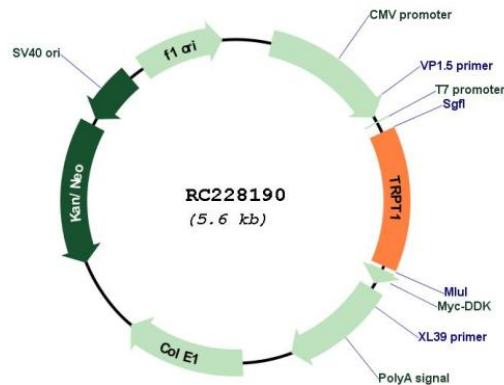
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001160389

ORF Size: 765 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.

<b>Components:</b>	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_001160389.1, NP_001153861.1</u>
<b>RefSeq ORF:</b>	768 bp
<b>Locus ID:</b>	83707
<b>UniProt ID:</b>	<u>Q86TN4</u>
<b>Cytogenetics:</b>	11q13.1
<b>MW:</b>	27.7 kDa
<b>Gene Summary:</b>	Catalyzes the last step of tRNA splicing, the transfer of the splice junction 2'-phosphate from ligated tRNA to NAD to produce ADP-ribose 1''-2'' cyclic phosphate.[UniProtKB/Swiss-Prot Function]