

Product datasheet for **RC228187**

TRPT1 (NM_001160393) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRPT1 (NM_001160393) 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: >RC228187 representing NM_001160393
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACTTCTCTGGAGGAGGGAGGCAGGAAGCAGCAGGGTCCAGGGTAGAAGGGCTCCCAGACCCCGAG
AACAGGACCGAGACGTGCAGCTGTCCAAGGCTCTGTCTATGCCCTGCGCCATGGGGCTTGAAGCTGGG
GCTTCCCATGGGAGCTGATGGCTTCGTGCCCTGGCACCCCTCTGCAGTTGCCAGTTCCGCGGCTTC
TCTGCTGAAGATGTGCAGCGCTGGTGGACCAATAGGAAGCAGCGTTTCGCCCTGCAGCTGGGGGATC
CCAGCACTGGCCTTCTCATCCGGGCCAACCAGGGCCATTCCCTGCAGGTACCTAAGTTGGAGCTGATGCC
CCTGGAGACACCGCAGGCCCTGCCCCGATGCTAGTCCATGGTACATTCTGGAAGCACTGGCCATCCATC
CTACTCAAAGGCTGTCTGCCAGGGAAGGACGCACATTCACCTGGCCCCAGGACTGCCTGGAGACCCCG
GTATCATCAGTGGCATGCGGTCCCATTGTGAAATAGCTGTGTTTCATCGATGGACCCTGGCTCTGGCAGC
AGATGGAATACCTTCTCCGCTCTGCCAATGGGGTATTCTGACTCCAGGGAATACTGATGGCTTCCTC
CTTCCAAGTACTTCAAGGAGGCCCTGCAGCTACGCCCTACCCGAAAGCCCTTCTTGGCTGGTGATG
AAGAGACAGAGTGCAGAGTAGCCCAAGCACAGCTCCAGAGAAAGGAGGAGATCCAACAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228187 representing NM_001160393
Red=Cloning site **Green**=Tags(s)

MNFSGGGRQEAAGSRRRAPRPREQDRDVLKALSYALRHGALKLGLPMGADGFVPLGTLQLPQFRGF
SAEDVQRVVDNTRKQRFALQLGDPSTGLLIRANQGHSLQVPKLELMPLETPQALPMLVHGTFWKHWP
SILLKGLSCQGRTHIHLAPGLPGDPIISGMRSHCEIAVFIIDGPLAALADGIPFFRSANGVILTPGNTD
GFLPKYFKEALQLRPTRKPLSLAGDEETECQSSPKHSSRRERRIQQ

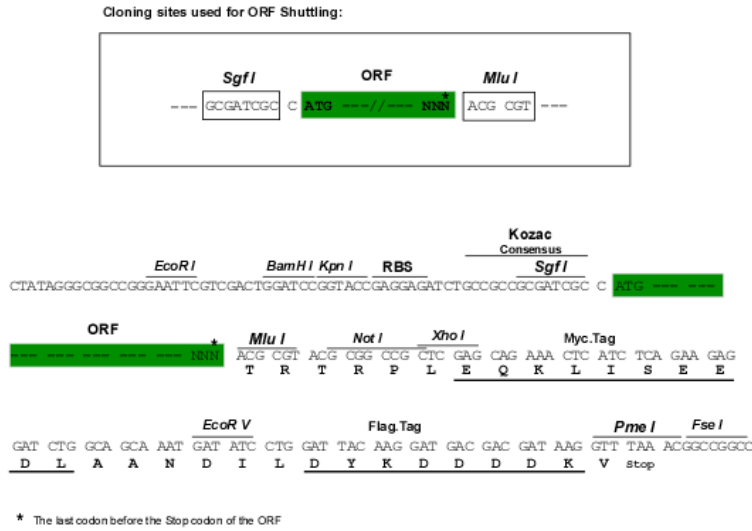
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



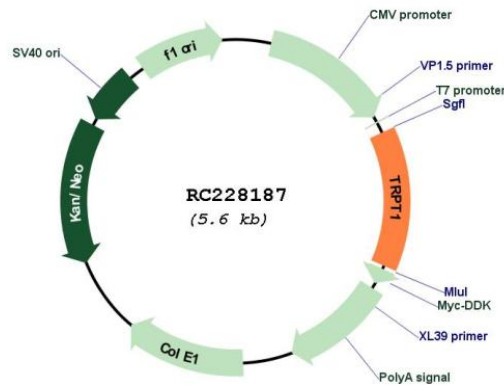
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001160393

ORF Size: 762 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_001160393.1, NP_001153865.1</u>
RefSeq ORF:	765 bp
Locus ID:	83707
UniProt ID:	<u>Q86TN4</u>
Cytogenetics:	11q13.1
MW:	27.6 kDa
Gene Summary:	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]