

## Product datasheet for **RC218445**

### TROAP (NM\_001100620) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TROAP (NM\_001100620) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TROAP  
**Synonyms:** TASTIN  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC218445 representing NM\_001100620  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACCACCCGGCAAGCCACGAAGGATCCCCTCCTCCGGGGTGTATCTCCTACCCTAGCAAGATCCGG  
TACGCTCTCAGAAACGCACGCCCTTCCCCACTGTTACATCGTGCGCCGTGGACCAGGAGAACCAAGATCC  
AAGGAGATGGGTGCAGAAACCACCGCTCAATATCAACGCCCCCTCGTTGATTCAGCAGGCCCCAGGCCG  
AAAGCCAGGCACCAAGGCAGAGACATCACAAAGATTGGTGGGGATCAGTCAGCCTCGGAACCCCTTGAAG  
AGCTCAGGCCTAGCCCTAGGGGTCAAAATGTGGGGCCTGGGCCCCCTGCCAGACAGTCCTGGTCCCAGC  
TCTGGAAAGCTCTTTGCTCTTAGAAGATCTCCCTTTCCTCCAGCAAATGTCATCTCGCCAGGTGCCAT  
GGCTTGACCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC218445 representing NM\_001100620  
Red=Cloning site Green=Tags(s)

MTTRQATKDLLRGVSPTPSKIPVRSQKRTPFPTVTSCAVDQENQDPRRWVQKPLNIQRPLVDSAGPRP  
KARHQAEYSQRLVGISQPRNPLEELRPSRQNVGPPAQTVLVPAPGKLFALRRSPFPPAKCHLARCH  
GLYL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

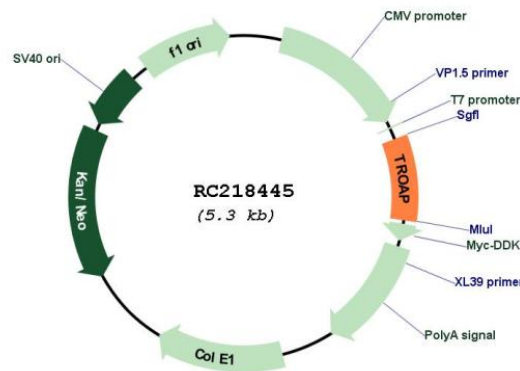


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001100620

ORF Size: 432 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><a href="#">NM_001100620.2</a></u>
<b>RefSeq Size:</b>	754 bp
<b>RefSeq ORF:</b>	435 bp
<b>Locus ID:</b>	10024
<b>UniProt ID:</b>	<u><a href="#">Q12815</a></u>
<b>Cytogenetics:</b>	12q13.12
<b>MW:</b>	15.7 kDa
<b>Gene Summary:</b>	Could be involved with bystin and trophinin in a cell adhesion molecule complex that mediates an initial attachment of the blastocyst to uterine epithelial cells at the time of the embryo implantation.[UniProtKB/Swiss-Prot Function]