

Product datasheet for **RG218445**

TROAP (NM_001100620) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TROAP (NM_001100620) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TROAP
Synonyms: TASTIN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG218445 representing NM_001100620
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCACCCGGCAAGCCACGAAGGATCCCTCCTCCGGGGTGTATCTCCTACCCCTAGCAAGATTCCGG
 TACGCTCTCAGAAACGCACGCCTTTCCCACTGTTACATCGTGCCTGGTGGACAGGAGAACCAAGATCC
 AAGGAGATGGGTGCAGAAACCACCGCTCAATATTCAACGCCCCCTCGTTGATTGAGCAGGCCCCAGGCCG
 AAAGCCAGGCACAGGCAGAGACATCACAAGATTGGTGGGGATCAGTCAGCCTCGGAACCCCTTGAAG
 AGCTCAGGCCTAGCCCTAGGGGTCAAAATGTGGGGCCTGGGCCCTGCCAGACAGTCCTGGTCCCAGC
 TCCTGAAAGCTCTTTGCTCTTAGAAGATCTCCCTTTCTCCAGCAAAATGTCATCTGCCAGGTGCCAT
 GGCTTGTAACCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218445 representing NM_001100620
 Red=Cloning site Green=Tags(s)

MTTRQATKDLLRGVSPTPSKIPVRSQKRTFPPTVTSCAVDQENQDPRRWQKPLNIQRPLVDSAGPRP
 KARHQAETSQRLVGISQPRNPLEELRPSRQNVGPGPPAQTVLVPAPGKLFALRRSPFPPAKCHLARCH
 GLYL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


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.

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:

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: [NM_001100620.2](#)

RefSeq Size: 754 bp

RefSeq ORF: 435 bp

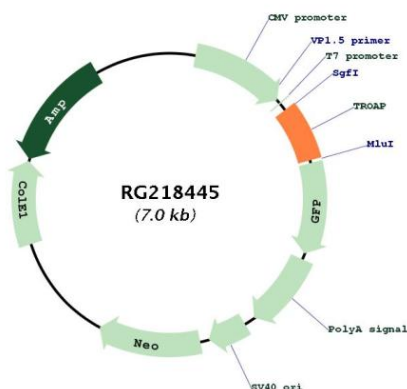
Locus ID: 10024

UniProt ID: [Q12815](#)

Cytogenetics: 12q13.12

Gene Summary: 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]

Product images:



Circular map for RG218445