

Product datasheet for **RG207599**

TFF1 (NM_003225) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TFF1 (NM_003225) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TFF1
Synonyms: BCEI; D21S21; HP1.A; HPS2; pNR-2; pS2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207599 representing NM_003225
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACCATGGAGAACAAGGTGATCTGCGCCCTGGTCTGGTCCATGCTGGCCCTCGGCACCCTGG
CCGAGGCCAGACAGAGACGTGTACAGTGGCCCCCGTAAAGACAGAATTGTGGTTTTCTGGTGTAC
GCCCTCCAGTGTCAAATAAGGGCTGCTGTTTCGACGACACCGTTCGTGGGGTCCCTGGTCTCTAT
CCTAATACCATCGACGTCCCTCCAGAAGAGGAGTGAATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207599 representing NM_003225
Red=Cloning site Green=Tags(s)
MATMENKVICALVLVSMMLALGTLAEAQTETCTVAPRERQNGFPGVTPSQCANKGCCFDDTVRGVPWCFY
PNTIDVPPEEEECF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_003225

ORF Size: 252 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.

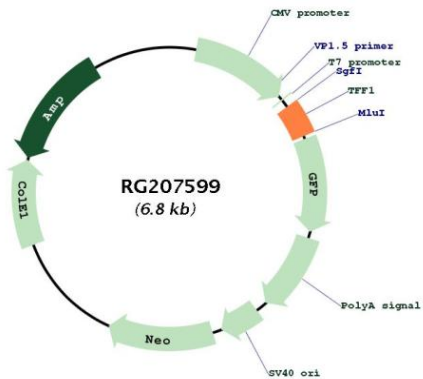
RefSeq: [NM_003225.3](#)

RefSeq Size: 508 bp

RefSeq ORF: 255 bp
Locus ID: 7031
UniProt ID: [P04155](#)
Cytogenetics: 21q22.3
Domains: PD
Protein Families: Druggable Genome, Secreted Protein

Gene Summary: Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer, and affect healing of the epithelium. This gene, which is expressed in the gastric mucosa, has also been studied because of its expression in human tumors. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207599