

Product datasheet for **RG233980**

TRK fused gene (TFG) (NM_001195478) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRK fused gene (TFG) (NM_001195478) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TFG
Synonyms:	HMSNP; SPG57; TF6; TRKT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233980 representing NM_001195478 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGGACAGTTGGATCTAAGTGGGAAGCTAATCATCAAAGCTCAACTGGGGAGGATATTCGGCGAA
TTCCTATTCATAATGAAGATATTACTTATGATGAATTAGTGCTAATGATGCAACGAGTTTCAGAGGAAA
ACTTCTGAGTAATGATGAAGTAAACAATAAAGTATAAAGATGAAGATGGAGATCTTATAACAATTTTGGAT
AGTTCTGACCTTTCCTTTGCAATTCAGTGCAGTAGGATACTGAACTGACATTATTTGTTAATGGCCAGC
CAAGACCCCTTGAATCAAGTCAGGTGAAATATCTCCGTCGAGAAGTATGAGAAGTTCGAAATAAAGTGAA
TCGTTTATTGGATAGCTTGAACCACTGGAGAACCAGGACCTCCACCAATATTCCTGAAAATGATACT
GTGGATGGTAGGGAAGAAAAGTCTGCTTCTGATTCTTCTGGAAAACAGTCTACTCAGGTTATGGCAGCAA
GTATGTCTGCTTTTGGATCCTTTAAAAACCAAGATGAAATCAATAAAAATGTTATGTCAGCGTTTGGCTT
AACAGATGATCAGGTTTCAGGGCCACCCAGTGCTCCTGCAGAAGATCGTTCAGGAACACCCGACAGCATT
GCTTCCTCCTCCTCAGCAGCTCACCCACCCAGGCGTTCAGCCACAGCAGCCACCATATACAGGAGCTCAGA
CTCAAGCAGGTCAGATTGAAGGTCAGATGTACCAACAGTACCAGCAACAGGCCGCTATGGTGCACAGCA
GCCGCAGGCTCCACCTCAGCAGCTCAACAGTATGGTATTCAGTATTCAGCAAGCTATAGTCAGCAGAT
GGACCTCAACAACCTCAGCAGTTCCAGGGATATGGCCAGCAACCAACTCCAGGACCCAGCTCCTGCCT
TTTCTGGTCAGCCTCAACAACCTGCTGCTCAGCCGCCACAGCAGTACCAGGCGAGCAATTATCCTGCACA
AACTTACACTGCCAAAATTCTCAGCCTACTAATTATACTGTGGCTCCTGCCTCTCAACCTGGAATGGCT
CCAAGCCAACCTGGGCTATCAACCAAGACCAGGTTTTACTTCACTTCTGGAAGTACCATGACCCCTC
CTCCAAGTGGCCTAATCCTTATGCGCGTAACCGTCTCCCTTTGGTCAGGGCTATACCAACCTGGACC
TGGTTATCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG233980 representing NM_001195478
Red=Cloning site Green=Tags(s)

MNGQLDL SGKLI IKAQLGEDIRRIPIHNEDITYDELVLMQRVFRGKLLSNDEVTIKYKDEDGDLITIFD
 SSDLSFAIQCSRILKLT L FVNGQPRPLESSQVKYL RRELIELRNKVNRLDLSLEPPGEPGSPSTNIPENDT
 VDGREEKSASDSSGKQSTQVMAASMSAFDPLKNQDEINKNVMSAFGLTDDQVSGPPSAPAEDRSGTPDSI
 ASSSSAAHPPGVQPQQPPYTGAQTQAGQIEGQMYQQYQQQAGYGAQQPQAPPQQPQQYGIQYSASYSQQT
 GPQQPQQFQGYGQPTSQAPAPAFSGQPQLPAQPPQQYQASNYPAQTYTAQTSQPTNYTVAPASQPGMA
 PSQPGAYQPRPGFTSLPGSTMTPPPSGPNPYARNRPPFGQGYTQPGPGYR

TRTRPLE - GFP Tag - V

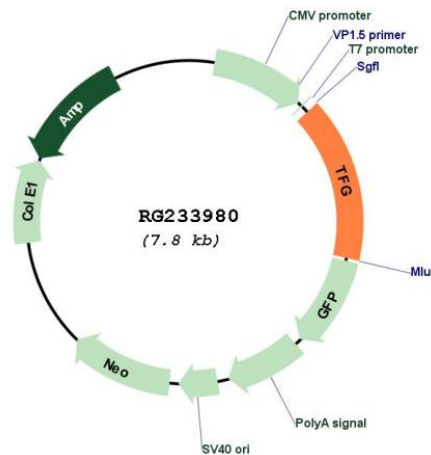
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001195478

ORF Size:	1200 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:	NM_001195478.1 , NP_001182407.1
RefSeq Size:	1746 bp
RefSeq ORF:	1203 bp
Locus ID:	10342
UniProt ID:	Q92734
Cytogenetics:	3q12.2
Protein Pathways:	Pathways in cancer, Thyroid cancer
Gene Summary:	There are several documented fusion oncoproteins encoded partially by this gene. This gene also participates in several oncogenic rearrangements resulting in anaplastic lymphoma and mixoid chondrosarcoma, and may play a role in the NF-kappaB pathway. Multiple transcript variants have been found for this gene. [provided by RefSeq, Sep 2010]