

## Product datasheet for **SC331187**

### TRK fused gene (TFG) (NM\_001195478) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TRK fused gene (TFG) (NM\_001195478) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TRK fused gene  
**Synonyms:** HMSNP; SPG57; TF6; TRKT3  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331187 representing NM\_001195478.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAACGGACAGTTGGATCTAAGTGGGAAGCTAATCATCAAAGCTCAACTGGGGAGGATATTCGGCGA
ATTCCTATTCATAATGAAGATATTACTTATGATGAATTAGTGCTAATGATGCAACGAGTTTTAGAGGA
AAACTTCTGAGTAATGATGAAGTAAACAATAAGTATAAAGATGAAGATGGAGATCTTATAACAATTTTT
GATAGTTCTGACCTTTCCCTTGAATTCAGTGCAGTAGGATACTGAAACTGACATTATTTGTTAATGGC
CAGCCAAGACCCCTTGAATCAAGTCAGGTGAAATATCTCCGTCGAGAAGTATGATAACTCGAAATAAA
GTGAATCGTTTATTGGATAGCTTGAACCACCTGGAGAACCAGGACCTTCCACCAATATTCCTGAAAT
GATACTGTGGATGGTAGGGAAGAAAAGTCTGCTTCTGATTCTTCTGAAAACAGTCTACTCAGGTTATG
GCAGCAAGTATGTCTGCTTTTATGATCCTTTAAAAAACAAGATGAAATCAATAAAAAATGTTATGTCAGCG
TTTGGCTTAACAGATGATCAGGTTTCAGGGCCACCCAGTCTCCTGCAGAAGATCGTTTCAGGAACACCC
GACAGCATTGCTTCTCCTCCTCAGCAGCTCACCCACCCAGGCGTTTCAGCCACAGCAGCCACCATATA
GGAGCTCAGACTCAAGCAGGTGAGATTGAAGGTGAGATGTACCAACAGTACCAGCAACAGGCCGGCTAT
GGTGCACAGCAGCCGAGGCTCCACCTCAGCAGCTCAACAGTATGGTATTCAGTATTCAGCAAGCTAT
AGTCAGCAGACTGGACCTCAACAACCTCAGCAGTTCAGGGATATGGCCAGCAACCAACTCCCAGGCA
CCAGTCTGCTGCTTTTCTGGTCAGCTCAACAACCTGCCTGCTCAGCCGCCACAGCAGTACCAGGCCGAGC
AATTATCCTGCACAACTTACACTGCCAACTTCTCAGCCTACTAATTATACTGTGGCTCCTGCCTCT
CAACCTGGAATGGCTCCAAGCAACCTGGGGCCTATCAACCAAGACCAGGTTTTACTTCACTTCTGGA
AGTACCATGACCCTCCTCCAAGTGGGCTAATCCTTATGCGCGTAACCGTCTCCTCCTTTGGTCAGGGC
TATACCAACCTGGACCTGGTTATCGATAAA
  
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001195478  
**Insert Size:** 1203 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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|                               |   |
|-------------------------------|---|
| <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>                | <a href="#">NM_001195478.1</a>  |
| <b>RefSeq Size:</b>           | 1746 bp   |
| <b>RefSeq ORF:</b>            | 1203 bp   |
| <b>Locus ID:</b>              | 10342   |
| <b>UniProt ID:</b>            | <a href="#">Q92734</a>  |
| <b>Cytogenetics:</b>          | 3q12.2  |
| <b>Protein Pathways:</b>      | Pathways in cancer, Thyroid cancer  |
| <b>MW:</b>                    | 43.4 kDa  |
| <b>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein (isoform 1).</p>  |