

## Product datasheet for **RN215224**

### **Ntrk3 (NM\_019248) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ntrk3 (NM_019248) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ntrk3
Synonyms:	trkC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN215224 representing NM\_019248  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGTCTCTCTTTGCCAGCCAAGTGTAGTTTCTGGCGGATTTTCTGCTGGGAAGCGTCTGGCTGG  
 ACTATGTGGGCTCCGTGCTGGCTTGCCCTGCAAATTGTGTCTGCAGCAAGACTGAGATCAATTGCCGGCG  
 GCCGGACGATGGGAACCTCTTCCCTCCTGGAAGGGCAGGATTCAGGGAACAGCAATGGGAACGCCAGC  
 ATCAACATCACGGACATCTCAAGGAATACACTTCCATACACATAGAGAAGTGGCGGGCCTGCACACAC  
 TCAATGCTGTGGATATGGAGCTTACACGGGACTCCAGAAGCTGACCATCAAGAATTCTGGACTCCGGAA  
 TATTCAGCCCAGAGCCTTTGCTAAGAATCCCACTTGCCTTATAAACTTGTCAAGTAACCGGCTCACC  
 AACTCTCCTGGCAGCTTCCAGACGCTGAGTCTTGGGAATTGAGACTGGAGCAGAATCTTCAACT  
 GCAGCTGTGACATCCGCTGGATGCAGCTGTGGCAGGAACAGGGGAGGCACGGCTGGACAGCCAGAGCCT  
 CTACTGCATCAGTCTGATGGCTCCCACTCCCTCTTCCGCATGAACATCAGTCAGTGTGATCTCCCT  
 GAGATCAGTGTGAGTCACTGAACTGACTGTCCGAGAAGGAGACAATGCTGTAATCACTTGTAAATGGCT  
 CTGGCTCTCCTTTGCCTGATGTGGACTGGATAGTCACCGGACTGCAGTCCATCAATACTCATCAGACCAA  
 TCTGAACTGGACCAATGTACATGCCATCAACTGACCCTGGTGAATGTGACGAGCGAAGACAATGGTTTC  
 ACCCTGACGTGCATTGCAGAGAAGCTGGTGGGCATGAGCAATGCCAGCGTTGCTCTCACTGTCTACTACC  
 CTCCACGTGTGGTGGAGCTTGGTGGAGCCTGAGGTACGCTGGAACATTGCATTGAGTTTGGTGGCTGG  
 CAACCCGACCCACGCTGCATTGGCTGTACAATGGACAGCCACTGAGGGAATCCAAGATCATTCAATG  
 GACTACTACCAGGAGGGTGAAGTCTCAGAGGGCTGCCTGCTTCAACAAGCCCACCCACTACAACAATG  
 GCAACTACACCTCATTGCTAAGAATGCCCTGGGCACAGCCAACCAGACCATCAACGGCCACTTCTTTAA  
 GGAGCCCTTCCAGAGAGCACAGATTTCTTACTTTGACTTTGAGTCTGATGCGAGCCCTACACCTCCTATCACT  
 GTGACCCACAAACCAGAGGAAGACACTTTTGGGTGTCCATAGCAGTTGGACTTGTGCTTTTGCCTGCG  
 TCCTTCTGGTGGTCTCTTTATCATGATCAACAAGTACGGTTCGACGGTCCAAATTTGGAATGAAGGGTCC  
 TGTGGCTGTTATCAGTGGGGAGGAGGACTCAGCCAGCCACTGCACCATATCAACCATGGCATCACTACA  
 CCTTCATCGTGGATGCTGGGCCGATACAGTGGTCAATGGCATGACTCGAATCCAGTCATTGAGAACC  
 CCCAATATTTCCGTCAGGGACACAATTGCCACAAGCCAGACACATATGTTCAACACATCAAGAGGAGAGA  
 CATCGTGTGAAGAGAGAAGTGGTGGAGGAGCCTTTGAAAGGTCTTCTGGCTGAGTGTACAATCTA  
 AGCCCCACAAAGACAAGATGCTTGTGGCAGTGAAGGCCCTGAAGGATCCACCTTGGCTGCCAGGAAGG  
 ATTTCCAGAGGGAGGCCGAGCTGCTCACTAACCTGCAGCATGAGCATATTGTCAAATCTATGGGGTCTG  
 TGGTATGGGGATCCACTCATATGGTCTTTGAATACATGAAGCATGGAGACCTGAACAAGTTCTCAGG  
 GCCCATGGGCCAGATGCGATGATCCTTGTGGATGGACAGCCACGCCAGGCCAAGGGGGAGCTAGGACTCT  
 CCCAGATGCTCCACATCGCCAGTCAGATAGCCTCCGGCATGGTGTACTTGGCCTCCAGCACTTTGTGCA  
 CCGGGACCTGGCCACCAGGAAGTGCCTAGTTGGAGCCAACCTTCTAGTGAAGATTGGAGATTTTGGCATG  
 TCCAGGGACGCTACAGTACTGATTACTACAGGGTGGGAGGACACACCATGCTCCCATCCGCTGGATGC  
 CACCTGAAAGCATCATGTACCGGAAGTTTACCACAGAGAGTGTGTGGAGCTTTGGGGTTATTCTTTG  
 GGAGATCTTACCTATGGGAAGCAACCATGGTTCCAGCTCTAACACAGAGGTCATTGAATGCATCACC  
 CAAGGCCGTGTCTTGGAGAGACCCGAGTCTGCCAAAAGAAAGTATATGATGTCATGCTGGGGTGTGCGC  
 AGAGGGAAACCACAACAGCGACTGAATATTAAGGAGATCTACAAAATCCTCCATGCTTTGGGAAGGCCAC  
 CCCAATCTACCTGGACATTCTTGGCTAG

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_019248  
**Insert Size:** 2478 bp

<b>OTI Disclaimer:</b>	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).
<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_019248.2</a> , <a href="#">NP_062121.1</a>
<b>RefSeq Size:</b>	2707 bp
<b>RefSeq ORF:</b>	2478 bp
<b>Locus ID:</b>	29613
<b>UniProt ID:</b>	<a href="#">Q03351</a>
<b>Cytogenetics:</b>	1q31
<b>Gene Summary:</b>	a tyrosine-protein kinase receptor for neurotrophin-3 [RGD, Feb 2006] Transcript Variant: This variant (3) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.