

Product datasheet for **RN217252**

Ntrk3 (NM_001270655) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntrk3 (NM_001270655) 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: >RN217252 representing NM_001270655
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTCTCTCTTTGCCAGCCAAGTGTAGTTTCTGGCGGATTTTCTGCTGGGAAGCGTCTGGCTGG
 ACTATGTGGGCTCCGTGCTGGCTTGCCCTGCAAATTGTGTCTGCAGCAAGACTGAGATCAATTGCCGGCG
 GCCGGACGATGGGAACCTCTTCCCTCCTGGAAGGGCAGGATTCAGGGAACAGCAATGGGAACGCCAGC
 ATCAACATCACGGACATCTCAAGGAATACACTTCCATACACATAGAGAAGTGGCGGGCCTGCACACAC
 TCAATGCTGTGGATATGGAGCTTACACGGGACTCCAGAAGCTGACCATCAAGAATTCTGGACTCCGGAA
 TATTCAGCCCAGAGCCTTTGCTAAGAATCCCACTTGCCTTATAAACTTGTCAAGTAACCGGCTCACC
 AACTCTCCTGGCAGCTTCCAGACGCTGAGTCTCGGAATTGAGACTGGAGCAGAATTCTTCAACT
 GCAGCTGTGACATCCGCTGGATGCAGCTGTGCCAGGAACAGGGGAGGCACGGCTGGACAGCCAGAGCCT
 CTACTGCATCAGTGTGATGGCTCCCACTCCCTCTTCCGCATGAACATCAGTCAGTGTGATCTCCCT
 GAGATCAGTGTGAGTCACTGAACTGACTGTCCGAGAAGGAGACAATGCTGTAATCACTTGTAAATGGCT
 CTGGCTCTCCTTTGCCTGATGTGGACTGGATAGTCACCGGACTGCACTCCATCAATACTCATCAGACCAA
 TCTGAACTGGACCAATGTACATGCCATCAACTGACCCTGGTGAATGTGACGAGCGAAGACAATGGTTTC
 ACCCTGACGTGCATTGCAGAGAAGCTGGTGGGCATGAGCAATGCCAGCGTTGCTCTCACTGTCTACTACC
 CTCCACGTGTGGTGGAGCTTGGTGGAGCCTGAGGTACGCTGGAACATTGCATTGAGTTTGGTGGCTGG
 CAACCCGACCCACGCTGCATTGGCTGTACAATGGACAGCCACTGAGGGAATCCAAGATCATTCAATG
 GACTACTACCAGGAGGGTGAAGTCTCAGAGGGCTGCCTGCTTCAACAAGCCCACCCACTACAACAATG
 GCAACTACACCTCATTGCTAAGAATGCCCTGGGCACAGCCAACCAGACCATCAACGGCCACTTCTTTAA
 GGAGCCCTTCCAGAGAGCACAGATTTCTTTGACTTTGAGTCTGATGCGAGCCCTACACCTCCTATCACT
 GTGACCCACAAACCAGAGGAAGACACTTTTGGGTGTCCATAGCAGTTGGACTTGTGCTTTTGCCTGCG
 TCCTTCTGGTGGTCTCTTTATCATGATCAACAAGTACGGTGCAGCGTCCAAATTTGGAATGAAGGGTCC
 TGTGGCTGTTATCAGTGGGAGGAGGACTCAGCCAGCCACTGCACCATATCAACCATGGCATCACTACA
 CCTTCATCGTGGATGCTGGGCCGATACAGTGGTCAATGGCATGACTCGAATCCAGTCATTGAGAACC
 CCCAATATTTCCGTCAGGGACACAATTGCCACAAGCCAGACACATATGTTCAACACATCAAGAGGAGAGA
 CATCGTGTGAAGAGAGAAGTGGTGGAGGAGCCTTTGAAAGGTCTTCTGGCTGAGTGTACAATCTA
 AGCCCCACAAAGACAAGATGCTTGTGGCAGTGAAGGCCCTGAAGGATCCACCTTGGCTGCCAGGAAGG
 ATTTCCAGAGGGAGGCCGAGCTGCTCACTAACCTGCAGCATGAGCATATTGTCAAATCTATGGGGTCTG
 TGGTATGGGGATCCACTCATATGGTCTTTGAATACATGAAGCATGGAGACCTGAACAAGTTCTCAGG
 GCCCATGGGCCAGATGCGATGATCCTTGTGGATGGACAGCCACGCCAGGCCAAGGGGGAGCTAGGACTCT
 CCCAGATGCTCCACATCGCCAGTCAGATAGCCTCCGGCATGGTGTACTTGGCCTCCAGCACTTTGTGCA
 CCGGGACCTGGCCACCAGGAAGTGCCTAGTTGGAGCCAACCTTCTAGTGAAGATTGGAGATTTTGGCATG
 TCCAGGGACGCTACAGTACTGATTACTACAGGCTCTTTAATCCATCTGGAAATGATTTTGTATATGGT
 GTGAGGTGGGAGGACACCATGCTCCCATCCGCTGGATGCCACCTGAAAGCATCATGTACCGGAAGTT
 TACCACAGAGAGTGTGTGGAGCTTTGGGGTATTCTTTGGGAGATCTTTACCTATGGGAAGCAACCA
 TGGTTCCAGCTCTTAACACAGAGGTCATTGAATGCATACCCAAGGCCGTGCTTGGAGAGACCCCGAG
 TCTGCCAAAAGAAGTATATGATGTCATGCTGGGGTGGTGGCAGAGGGAACCACAACAGCGACTGAATAT
 TAAGGAGATCTACAAAATCCTCCATGCTTTGGGAAGGCCACCCAATCTACCTGGACATTTCTGGCT**AG**

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270655
Insert Size: 2520 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001270655.1, NP_001257584.1</u>
RefSeq Size:	2749 bp
RefSeq ORF:	2520 bp
Locus ID:	29613
UniProt ID:	<u>Q03351</u>
Cytogenetics:	1q31
Gene Summary:	<p>a tyrosine-protein kinase receptor for neurotrophin-3 [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>