

Product datasheet for **RR217252**

Ntrk3 (NM_001270655) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntrk3 (NM_001270655) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ntrk3
Synonyms:	trkC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR217252 representing NM_001270655
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTCTCTCTTTGCCAGCCAAGTGTAGTTTCTGGCGGATTTTCTGCTGGGAAGCGTCTGGCTGG
 ACTATGTGGGCTCCGTGCTGGCTTGCCCTGCAAATTGTGTCTGCAGCAAGACTGAGATCAATTGCCGGCG
 GCCGGACGATGGGAACCTCTTCCCTCCTGGAAGGGCAGGATTCAGGGAACAGCAATGGGAACGCCAGC
 ATCAACATCACGGACATCTCAAGGAATACACTCCATACACATAGAGAAGTGGCGGGCCTGCACACAC
 TCAATGCTGTGGATATGGAGCTTACACGGGACTCCAGAAGCTGACCATCAAGAATTCTGGACTCCGGAA
 TATTCAGCCCAGAGCCTTTGCTAAGAATCCCACTTGCCTTATAAACTTGTCAAGTAACCGGCTCACC
 AACTCTCCTGGCAGCTTCCAGACGCTGAGTCTCGGAATTGAGACTGGAGCAGAATCTTCAACT
 GCAGCTGTGACATCCGCTGGATGCAGCTGTGGCAGGAACAGGGGAGGCACGGCTGGACAGCCAGAGCCT
 CTACTGCATCAGTCTGATGGCTCCCACTCCCTCTTCCGCATGAACATCAGTCAGTGTGATCTCCCT
 GAGATCAGTGTGAGTCACTGAACTGACTGTCCGAGAAGGAGACAATGCTGTAATCACTTGTAAATGGCT
 CTGGCTCTCCTTTGCCTGATGTGGACTGGATAGTCACCGGACTGCAGTCCATCAATACTCATCAGACCAA
 TCTGAACTGGACCAATGTACATGCCATCAACTGACCCTGGTGAATGTGACGAGCGAAGACAATGGTTTC
 ACCCTGACGTGCATTGCAGAGAAGCTGGTGGGCATGAGCAATGCCAGCGTTGCTCTCACTGTCTACTACC
 CTCCACGTGTGGTGGAGCTTGGTGGAGCCTGAGGTACGCCCTGGAACATTGCATTGAGTTTGGTGGCTGG
 CAACCCGACACCCACGCTGCATTGGCTGTACAATGGACAGCCACTGAGGGAATCCAAGATCATTCAATG
 GACTACTACCAGGAGGGTGAAGTCTCAGAGGGCTGCCTGCTTCAACAAGCCCACCCACTACAACAATG
 GCAACTACACCCCTATTGCTAAGAATGCCCTGGGCACAGCCAACCAGACCATCAACGGCCACTTCTTTAA
 GGAGCCCTTTCCAGAGAGCACAGATTTCTTTGACTTTGAGTCTGATGCGAGCCCTACACCTCCTATCACT
 GTGACCCACAAACCAGAGGAAGACACTTTTGGGTGTCCATAGCAGTTGGACTTGTCTTTTGCCTGCG
 TCCTTCTGGTGGTCTCTTTATCATGATCAACAAGTACGGTGCAGCGTCCAAATTTGGAATGAAGGGTCC
 TGTGGCTGTTATCAGTGGGAGGAGGACTCAGCCAGCCACTGCACCATATCAACCATGGCATCACTACA
 CCTTCATCGTGGATGCTGGGCCGATACAGTGGTCAATGGCATGACTCGAATCCAGTCATTGAGAACC
 CCCAATATTTCCGTCAGGGACACAATTGCCACAAGCCAGACACATATGTTCAACACATCAAGAGGAGAGA
 CATCGTGTGAAGAGAGAACTGGGTGAGGGAGCCTTTGGAAGGTCTTCTGGCTGAGTGTACAATCTA
 AGCCCCACAAAGACAAGATGCTTGTGGCAGTGAAGGCCCTGAAGGATCCACCTTGGCTGCCAGGAAGG
 ATTTCCAGAGGGAGGCCGAGCTGCTCACTAACCTGCAGCATGAGCATATTGTCAAATCTATGGGGTCTG
 TGGTATGGGGATCCACTCATATGGTCTTTGAATACATGAAGCATGGAGACCTGAACAAGTTCTCAGG
 GCCCATGGGCCAGATGCGATGATCCTTGTGGATGGACAGCCACGCCAGGCCAAGGGGAGCTAGGACTCT
 CCCAGATGCTCCACATCGCCAGTCAGATAGCCTCCGGCATGGTGTACTTGGCCTCCAGCACTTTGTGCA
 CCGGGACCTGGCCACCAGGAAGTGCCTAGTTGGAGCCAACCTTCTAGTGAAGATTGGAGATTTTGGCATG
 TCCAGGGACGTCTACAGTACTGATTACTACAGGCTCTTAAATCCATCTGGAAATGATTTTGTATATGGT
 GTGAGGTGGGAGGACACACCATGCTCCCATCCGCTGGATGCCACCTGAAAGCATCATGTACCGGAAGTT
 TACCACAGAGAGTGTGTGGAGCTTTGGGGTTATTCTTTGGGAGATCTTTACCTATGGGAAGCAACCA
 TGGTTCCAGCTCTAACACAGAGGTCATTGAATGCATACCCAAGGCCGTGCTTTGGAGAGACCCCGAG
 TCTGCCAAAAGAAGTATATGATGTCATGCTGGGGTGGTGGCAGAGGGAACCACAACAGCGACTGAATAT
 TAAGGAGATCTACAAATCCTCCATGCTTTGGGAAGGCCACCCAATCTACCTGGACATTTCTGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217252 representing NM_001270655
 Red=Cloning site Green=Tags(s)

MDVSLCPAKCSFWRIFLLGSVWLDYVGSVLACPANCVCSKTEINCRPPDDGNLFPLLEGQDSGNSNGNAS
 INITDISRNITSIHIENWRGLHTLNAVDMELYTGLQKLTIKNSGLRNIQPRAFKNPHLRYLINLSSNRLT
 TLSWQLFQTLSLRELRLQNFNCSCDIRWMLWQEQGEARLDSQSLYCI SADGSQLPLFRMNISQCDLP
 EISVSHVNLTVREGDNAVITCNGSGSPLPDVDWI VTGLQSINTHQTNLNWTNVHAINLTLVNVTS EDNGF
 TLT CIAENVVGMNASVALTVYYPPRVSLVEPEVRLEHCIEFVVRGNPTPLHWLYNGQPLRESKIIHM
 DYYQEGEVSEGCLLFNKPTHYNNNGNYTLIAKNALGTANQTINGHFLKEPFPESTDFDFESDASPTPPIT
 VTHKPEEDTFGVSIAVGLAAAFACVLLVVL FIMINKYGRRSKFGMKGPVAVISGEEDSASPLHHINHGITT
 PSSLDAGPDTVVIGMTRIPVIENPQYFRQGHNCHKPDTYVQH IKRRDIVLKREL GEGAFGKVFLAECYNL
 SPTKDKMLVAVKALKDPTLAARKDFQREAE LLTNLQHEHIVKFYVCGDGDPLIMVFEYMKHGDLNKFLR
 AHGPDAMILVDGQPRQAKGELGLSQMLHIASQIASGMVYLASQHFVHRDLATRNCLVGANLLVKIGDFGM
 SRDVYSTDYRLFNPSGNDFCIWCEVGGHTMLPIRWMPPESIMYRKFTTESDVWSFGVILWEIFTYKQP
 WFQLSNTEVIECITQGRVLERPRVCPKEVYDVMLGCWQREPQRLNIKEIYKILHALGKATPIYLDILG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

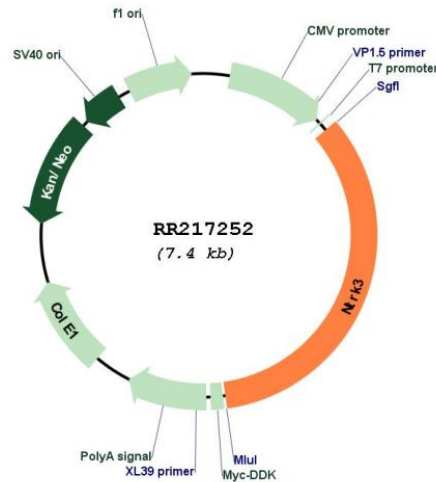
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001270655

ORF Size: 2517 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_001270655.1](#), [NP_001257584.1](#)

RefSeq Size: 2749 bp

RefSeq ORF: 2520 bp

Locus ID: 29613

UniProt ID: [Q03351](#)

Cytogenetics: 1q31

MW: 94.4 kDa

Gene Summary: a tyrosine-protein kinase receptor for neurotrophin-3 [RGD, Feb 2006]