

Product datasheet for **RN216757**

Ntrk2 (NM_001163168) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntrk2 (NM_001163168) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ntrk2
Synonyms:	RATTRKB1; Tkrb; trk-B; trkB; TRKB1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216757 representing NM_001163168
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTCGCCTGGCCGAGGTGGCATGGACCCGCCATGGCGGGCTCTGGGGCTTATGCTTGTGCTTGG
GCTTCTGGAGGGCTTCTTGCCTGCCCATGTCTGCAAATGCAGCACCCTAGGATTTGGTGTACCGA
GCCTTCTCCTGGCATCGTGGCATTTCAGAGTTGGAACCTAACAGCATTGACCCAGAGAATCACCAGAA
ATTCTCATTGCAAACCAGAAAAGGTTAGAAATCATCAATGAAGATGATGTCGAAGCTTACGTGGGGCTGA
AAAACCTTACAATTGTGGATTCCGGCTTAAAGTTGTGGCTTACAAGGCGTTTCTGAAGAACGGCAACCT
GCGGCACATCAATTTCACTCGAAACAAGCTGACGAGTTTGTCCAGGAGACATTTCCGCCACCTTGACTTG
TCTGACCTGATCCTGACGGTAATCCGTTACGTGTTCCGTGACATCATGTGGCTCAAGACTCTCCAGG
AGACGAAATCCAGCCCCGACACTCAGGATTTGTATTGCCTCAATGAGAGCAGCAAGAATACCCCTCTGGC
GAACCTGCAGATCCCAATTGTGGTCTGCCGTCTGCACGTCTGGCCGCTCCTAACCTCACGGTGGAGGAA
GGGAAGTCTGTGACCATTTCCTGACGCGTCCGGGGTGACCCGCTCCACCTTGTACTGGGACGTTGGGA
ATTTGGTTTTCAAACACATGAATGAAACAAGCCACACACAGGGCTCCTTAAGGATAACAAACATTTTCATC
GGATGACAGTGGGAAACAAATCTTGTGTGGCAGAAAACCTCGTTGGAGAAGATCAAGACTCTGTGAAC
CTCACTGTGCATTTTGCACCAACCATCACATTTCTCGAATCTCCAACCTCAGACCACCACTGGTGCATCC
CATTCACTGTGAGAGGCAACCCCAAGCCAGCACTTCAGTGGTTCTACAACGGAGCCATACTGAATGAATC
CAAGTACATCTGTACAAAATACACGTCAACCAATCACACGGAGTACCACGGCTGCCTCCAGCTGGATAAC
CCCCTCATATGAATAATGGAGACTACACCCTAATGGCCAAGAATGAATATGGGAAGGACGAGAGACAGA
TTTCTGCTCACTTCATGGCCGGCTGGAGTTGACTATGAGACAAACCCAAATTACCCTGAAGTCTCTA
TGAAGACTGGACCACGCCAACTGACATCGGGGACTACAAACAAAAGTAAATGAGATCCCTCCAGGAT
GTTGCTGACCAAAACCAATCGGGAGCATCTCCTCGTCTATGCCGTGGTGGTATTGCCTCTGTGGTAGGAT
TCTGCCTGCTGGTGTGCTTCTGCTCAAGTTGGCAGACATTCGAAGTTGGCATGAAAGGTTTTGT
TTGTTTCATAAGATCCCTGGATGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001163168

Insert Size: 1431 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:

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_001163168.2](#), [NP_001156640.1](#)

RefSeq Size: 6931 bp

RefSeq ORF: 1431 bp

Locus ID: 25054

UniProt ID: [Q63604](#)

Cytogenetics: 17p14

Gene Summary: receptor for brain-derived neurotrophic factor (BDNF) [RGD, Feb 2006]
Transcript Variant: This variant (2) lacks multiple coding exons and uses a distinct terminal exon compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct C-terminus compared to to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.