

## Product datasheet for **RN206400**

### **Ntrk2 (NM\_012731) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ntrk2 (NM_012731) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ntrk2
Synonyms:	RATTRKB1; Tkrb; trk-B; trkB; TRKB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >RN206400 representing NM\_012731  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGCCTGGCCGAGGTGGCATGGACCCGCCATGGCGCGCTCTGGGGCTTATGCTTGTGCTTGG  
 GCTTCTGGAGGGCTTCTCTTGCCTGCCCATGTCTGCAAATGCAGCACCCTAGGATTTGGTGTACCGA  
 GCCTTCTCCTGGCATCGTGGCATTTCAGAGTTGGAACCTAACAGCATTGACCCAGAGAACATCACCGAA  
 ATTCTCATTGCAAACAGAAAAGGTTAGAAATCATCAATGAAGATGATGTCGAAGCTTACGTGGGGCTGA  
 AAAACCTTACAATTGTGGATTCCGGCTTAAAGTTTGTGGCTTACAAGGCTTTCTGAAGAACGGCAACCT  
 GCGGCACATCAATTTCACTCGAAACAAGCTGACGAGTTTGTCCAGGAGACATTTCCGCCACCTTGACTTG  
 TCTGACCTGATCCTGACGGTAATCCGTTACGTGTTCCGTGACATCATGTGGCTCAAGACTCTCCAGG  
 AGACGAAATCCAGCCCCGACACTCAGGATTTGTATTGCCTCAATGAGAGCAGCAAGAATACCCCTCTGGC  
 GAACCTGCAGATCCCAATTGTGGTCTGCCGTCTGCACGTCTGGCCGCTCCTAACCTCACGGTGGAGGAA  
 GGGAACTCTGTGACCATTTCCTGCAGCGTCGGGGGTGACCCGCTCCACCTTGTACTGGGACGTTGGGA  
 ATTTGGTTTCAAACACATGAATGAAACAAGCCACACACAGGGCTCCTTAAAGATAACAAACATTTTCATC  
 GGATGACAGTGGGAAACAAATCTTGTGTGGCAGAAAACCTCGTTGGAGAAGATCAAGACTCTGTGAAC  
 CTCACTGTGCATTTTGCACCAACCATCACATTTCTCGAATCTCCAACCTCAGACCACCACTGGTGCATCC  
 CATTCACTGTGAGAGGCAACCCCAAGCCAGCACTTCACTGGTTCTACAACGGAGCCATACTGAATGAATC  
 CAAGTACATCTGTACAAAATACACGTCACCAATCACACGGAGTACCACGGCTGCCTCCAGCTGGATAAC  
 CCCACTCATGAATAATGGAGACTACACCCTAATGGCCAAGAATGAATATGGGAAGGACGAGAGACAGA  
 TTTCTGCTCACTTCATGGGCCGGCTGGAGTTGACTATGAGACAAACCCAAATACCTTGAAGTCCCTCTA  
 TGAAGACTGGACCACGCCAACTGACATCGGGGATACTACAAACAAAAGTAAATGAGATCCCTCCACGGAT  
 GTTGCTGACCAAACCAATCGGGAGCATCTCTCGGTCTATGCCGTGGTGGTATTGCCTCTGTGGTAGGAT  
 TCTGCCTGCTGGTGTGCTTCTGCTCAAGTTGGCAGACATTCGAAGTTTGGCATGAAAGGCCCAGC  
 TTCCGTGATCAGCAACGACGATGACTCTGCCAGCCCTCTCCACCACATCTCCAACGGGAGCAACACTCCG  
 TCTTCTCGAGGGCGGGCCGATGCTGTATCATTGGGATGACCAAGATCCCTGTATTGAAAACCCCC  
 AGTACTTCGGTATCACCACAGCCAGCTCAAGCCGGACACATTTGTTTCCAGACATCAAGAGACACAACAT  
 CGTTCTGAAGAGGGAGCTTGGAGAAGGAGCCTTTGGGAAAGTTTCTAGCGGAGTGCTATAACCTCTGC  
 CCCGAGCAGGATAAGATCCTGGTGGCCGTGAAGACGCTGAAGGACGCCAGCGACAATGCTCGCAAGGACT  
 TTCATCGCGAAGCCGAGCTGCTGACCAACCTCCAGCAGCAGCATTGTCAAGTTCTACGGTGTCTGTGT  
 GGAGGGCGACCACTCATCATGGTCTTTGAGTACATGAAGCACGGGGACCTCAACAAGTTCTTAGGGCA  
 CACGGGCCAGATGCAAGTGTGATGGCAGAGGGTAACCCGCCACCGAGCTGACGCAGTCGCAGATGCTGC  
 ACATCGCTCAGCAAAATCGCAGCAGGCAATGGTCTACCTGGCATCCCAACACTTCGTGCACCAGACCTGGC  
 CACCCGGAACCTGTTGGTAGGAGAGAACCTGCTGGTAAAATTGGGGACTTCGGGATGTCCCGGGATGTA  
 TACAGCACCGACTACTACCGGTTGGTGGCCACACAATGTTGCCATCCGATGGATGCCTCCAGAGAGCA  
 TCATGTACAGGAAATTCACCACCGAGAGTGACGCTCTGGAGCTGGGAGTTGTGTTGTGGGAGATCTTAC  
 CTACGGCAAGCAGCCCTGGTATCAGCTATCAAACAACGAGGTGATAGAATGCATCACCCAGGGCAGAGTC  
 CTTCAGCGGCCTCGCACGTGTCCCAGGAGGTGTACGAGCTGATGCTGGGATGCTGGCAGCGGGAACCCAC  
 ACACAAGGAAGAACATCAAGAACATCCACACACTCCTTCAGAACTTGGCGAAGGGCTCGCCCGTCTACCT  
 GGACATCCTAGGC**TAG**

**ACGGCT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1495\\_e03.zip](https://cdn.origene.com/chromatograms/ja1495_e03.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_012731

**Insert Size:** 2466 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_012731.2</a> , <a href="#">NP_036863.1</a>
<b>RefSeq Size:</b>	4750 bp
<b>RefSeq ORF:</b>	2466 bp
<b>Locus ID:</b>	25054
<b>UniProt ID:</b>	<a href="#">Q63604</a>
<b>Cytogenetics:</b>	17p14
<b>Gene Summary:</b>	receptor for brain-derived neurotrophic factor (BDNF) [RGD, Feb 2006] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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.