

## Product datasheet for **RN216484**

### **Bdnf (NM\_001270630) Rat Untagged Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Bdnf (NM\_001270630) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Bdnf  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Fully Sequenced ORF: >RN216484 representing NM\_001270630  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGACCCAGTGCCTGGCGCTGGCTGAGCTCTGGGTGCCCGCCGCTGCCCGCGCCGGGGCGCAC  
 CCGCTGGCTGGCTGTGCGACGGTCCCCATTGCGCCCGGGACTCCCCGGCTTGGAGAAGGAAACCGCTGG  
 GGCGGCGCGCCACCTCCGCTGGCAGGCTTTGATGAGACCGGGTCCCTCAGCTCGCCACCGCTGCTTTG  
 GGGCAGACGAGAAAGCGCACGGGGCCAGGGCAGGGCCAGGACCAGGAGCGTGACAACAATGTGACTC  
 CACTGCCGGGGATCCGAGAGCTTTGTGTGGACCCTGAGTCCACCAGGTGAGAAGAGTGATGACCATCCT  
 TTTCTTACTATGGTTATTTACTACTTCGGTTGCATGAAGGCTGCGCCCATGAAAGAAGCAAACGTCCAC  
 GGACAAGGCAACTTGGCCTACCCAGCTGTGCGGACCCATGGGACTCTGGAGAGCGTGAATGGGCCAGGG  
 CAGGTTGAGAGGTCTGACGACGACGCTCCCTGGCTGACACTTTTGAGCACGTGATCGAAGAGCTGCTGGA  
 TGAGGACCAGAAGGTTCCGCCAACGAAGAAAACCATAAGGACGCGGACTTGTACACTTCCCGGGTGATG  
 CTCAGCAGTCAAGTGCCTTTGGAGCCTCCTGCTCTTTCTGCTGGAGGAATACAAAAATTACCTGGATG  
 CCGCAAACATGTCTATGAGGGTTCGGCGCCACTCCGACCCCGCCCGCTGGGGAGCTGAGCGTGTGTGA  
 CAGTATTAGCGAGTGGTCACAGCGGCAGATAAAAAGACTGCAGTGGACATGTCCGGTGGGACGGTCACA  
 GTCCTGGAGAAAGTCCCGTATCAAAGGCCAACTGAAGCAATATTTCTACGAGACCAAGTGAATCCCA  
 TGGGTTACACGAAGGAAGGCTGCAGGGCATAGACAAAAGGCACTGGAATCGCAATGCCGAACACCCA  
 ATCGTATGTTCCGGCCCTTACTATGGATAGCAAAAAGAGAATTGGCTGGCGGTTCCATAAGGATAGACACT  
 TCCTGTGTATGTACTGACACTGACATTAAGGGGAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001270630



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<b>Insert Size:</b>	1089 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001270630.1</a></u> , <u><a href="#">NP_001257559.1</a></u>
<b>RefSeq Size:</b>	4018 bp
<b>RefSeq ORF:</b>	1089 bp
<b>Locus ID:</b>	24225
<b>UniProt ID:</b>	<u><a href="#">P23363</a></u>
<b>Cytogenetics:</b>	3q34
<b>Gene Summary:</b>	plays a role in the development of hippocampal long term potentiation; involved in regulation of synaptic plasticity [RGD, Feb 2006] Transcript Variant: This variant (1, also known as VI) encodes the longest isoform (1).