

Product datasheet for MR217152

Cdnf (NM_177647) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdnf (NM_177647) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cdnf
Synonyms: 9330140G23; Armet1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR217152 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGGTGCATCAGTCCAACCTGCTCTGGTGACCTTTTGCGCCGGTTTTGTATCTCGAACCCGTGTGCTGG
 CGCAGGGCCTGGAGGCCGGTGTGGGGCCGAGGGCTGACTGTGAAGTATGTAAGAATTCTAGACCGATT
 CTACAACCTCCCTGCTAAGCAGAGGCATAGACTTTTCTGCGGACCCATAGAGAAAGAGCTGCTCACTTT
 TGCTCAGATGCCAAAGGAAAAGAAAACCGCTGTGCTATTATCTGGGGCCACCACAGATGCAGCCACCA
 AGATCCTAGGAGAAGTCACTCGTCCCATGAGTGTACACATACCTGCCGTGAAGATTTGTGAGAAGCTAAA
 GAAGATGGACAGCCAGATCTGTGAGCTGAAATACGGGAAGAAGCTGGACTTGGCGTCGGTGGACCTGTGG
 AAGATGAGAGTGGCAGAGCTAAAGCAGATCCTTCAGAGATGGGGGAAGAGTGCAGGGCATGTGCGGAGA
 AAAGTGACTACGTGAACCTCATTAGAGAGCTGGCCCCAAATATGTAGAGATATACCCCCAAACGGAGCT
 C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217152 protein sequence
 Red=Cloning site Green=Tags(s)

MRCISPTALVTF CAGFCISNPVLAQGLEAGVGP RADCEVCKEFLDRFYNSLLSRGIDFSADTIEKELLNF
 CSDAKGKENRLCYL GATTDAATKILGEVTRPMSVHIPAVKICEKLLKMSQICELKYGKKLDLASVDLW
 KMRVAELKQILQRWGE ECRACAEKSDYVNLIRELAPKYVEIYPQTEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177647

ORF Size: 564 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_177647.4](#), [NP_808315.1](#)

RefSeq Size: 3013 bp

RefSeq ORF: 564 bp

Locus ID: 227526

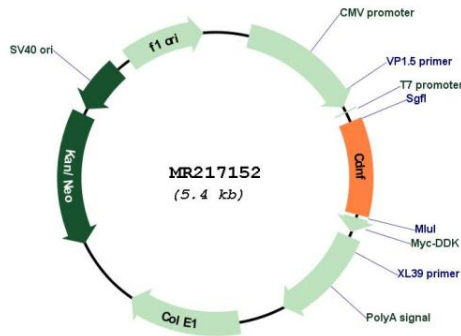
UniProt ID: [Q8CC36](#)

Cytogenetics: 2 A1

MW: 21 kDa

Gene Summary: Trophic factor for dopamine neurons. Prevents the 6-hydroxydopamine (6-OHDA)-induced degeneration of dopaminergic neurons. When administered after 6-OHDA-lesioning, restores the dopaminergic function and prevents the degeneration of dopaminergic neurons in substantia nigra (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217152