

Product datasheet for **RN205289**

Cdnf (NM_001037543) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdnf (NM_001037543) Rat Untagged Clone
Tag: Tag Free
Symbol: Cdnf
Synonyms: Armetl1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205289 representing NM_001037543
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGGTGCACCAGTCCGGCTGCCCTGGTACTTTTTGCGCCGGGCTTTGGATCTCCAACCATGTGCTGG
CACAGGGCTGGAGGCCGGTGTGCGATCGAGGGCTGACTGTGAAGTATGCAAAGAGTTCTTAAACCGATT
CTACAACCTCTTGCTAACAGAGGAATAGACTTTTCTGTGGATACCATAGAGGAAGAGCTGATCAGCTTT
TGC CGGACACCAAGGGAAAAGAAAACCGCTGTGCTATTATCTAGGAGCTACCAAAGACTCGGCCACCA
AGATCCTAGGTGAAGTCACTCGTCCCATGAGTGTACACATGCCACGGTGAAGATTTGTGAGAAGCTGAA
GAAGATGGACAGCCAGATCTGCGAGCTGAAATATGAGAAGAAATTGGACTTGAATCTGTGGACCTGTGG
AAAATGAGGGTTGCAGAGCTGAAGCAGATCCTTCACAGCTGGGGGAAGAGTGCAGGGCCTGCGCGGAGA
AGCATGACTACGTGAACCTCATTAAAGAACTGGCCCCAAATACGTAGAGACGCGCCCCAAACAGAGCT
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001037543
Insert Size: 564 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).



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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:	<ol style="list-style-type: none">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:	<u>NM_001037543.1, NP_001032632.1</u>
RefSeq Size:	624 bp
RefSeq ORF:	564 bp
Locus ID:	361276
UniProt ID:	<u>P0C5I0</u>
Cytogenetics:	17q12.3
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.[UniProtKB/Swiss-Prot Function]