

Human BDNF ORF

Catalog Number: HG10068-M



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Bank Ref. ID : NM_001709.3

ORF Size: 744

Gene Name Synonym:

BDNF, MGC34632

Source: Human

Description

ORF Description:

ORF Clone of Homo sapiens brain-derived neurotrophic factor (BDNF), transcript variant 4 DNA.

Vector :

Commercial available pMD Vector.

Sequence Description:

Identical with the Gene Bank Ref. ID sequence except for a point mutation 196G/A which causes the 66 Val to be replaced by Met.

Shipping

5-10µg Plasmid DNA is shipped on Whatman FTA elute card (Cat. No.: WB120410) at room temperature.

It would take 3-5 days for delivery typically. For bulk orders, additional 1-2 weeks would be needed.

Usage Protocol

1. Remove the marked edge in the center of the spot.
2. Transfer the filter paper to a 1.5ml microfuge tube containing 50-100 µl of sterile H₂O. Ensure the filter is completely immersed in the H₂O by briefly centrifuging the tube for 10 seconds.
3. Transfer the tube to a heating block at 95°C for 15–30 min
4. At the end of the incubation period remove the sample from the block and pulse vortex, or gently tap, the sample approximately 60 times
5. Briefly centrifuge for 30 seconds, to separate the matrix from the elute. The elute now contains the purified DNA

ORF Sequence and Quality Control

Sequence:

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ATGACCATCCTTTTCCTACTATGGTTATTTCTACTTTGGTTGCATGAAGGC
TGCCCCCATGAAAGAAGCAACATCCGAGGACAAGGTGGCTTGGCCTACCC
AGGTGTGCGGACCCATGGGACTCTGGAGAGCGTGAATGGGCCCAAGGCAG
GTTCAAGAGGCTTGACATCATTGGCTGACACTTTTGAACACATGATAGAAGA
GCTGTTGGATGAGGACCAGAAAGTTGGGCCAATGAAGAAAACAATAAGGA
CGCAGACTTGTACACGTCAGGGTGATGCTCAGTAGTCAAGTGCCCTTTGGA
GCCTCCTCTTCTTTCTGCTGGAGGAATACAAAAATTACCTAGATGCTGCA
AACATGTCCATGAGGGTCCGGCGCCACTCTGACCTGCCCGCCGAGGGGA
GCTGAGCGTGTGTGACAGTATTAGTGAGTGGGTAAACGGCAGCAGACAAAA
GACTGCAGTGGACATGTCGGGCGGGACGGTCACAGTCCTTGAAGGTCC
CTGTATCAAAAGGCCAACTGAAGCAATACTTCTACGAGACCAAGTGCAATCC
CATGGGTTACACAAAAGAAGGCTGCAGGGGCATAGACAAAAGGCATTGGAA
CTCCAGTGCCGAACATCCAGTCGTACGTGCGGGCCCTTACCATGGATAG
CAAAAGAGAAATTGGCTGGCGATTCAAGGATAGACACTTCTTGTGTATGT
ACATTGACCATTAAGGGGAAGATAG
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Quality Control:

The sequencing result is available upon request.