EMPOWER YOUR RESEARCH

## Product datasheet for SC306690

## BDNF (NM_170731) Human Untagged Clone

## Product data:

## Product Type:

Product Name:

## Tag:

Symbol:
Synonyms:
Mammalian Cell
Selection:
Vector:
E. coli Selection:

Fully Sequenced ORF:

Expression Plasmids
BDNF (NM_170731) Human Untagged Clone
Tag Free
BDNF
ANON2; BULN2
None

## pCMV6-XL5

Ampicillin (100 ug/mL)
>OriGene sequence for NM_170731 edited
AATGTTCCACCAGGTGAGAAGAGTGATGACCATCCTTTTCCTTACTATGGTTATTTCATA CTTTGGTTGCATGAAGGCTGCCCCCATGAAAGAAGCAAACATCCGAGGACAAGGTGGCTT GGCCTACCCAGGTGTGCGGACCCATGGGACTCTGGAGAGCGTGAATGGGCCCAAGGCAGG TTCAAGAGGCTTGACATCATTGGCTGACACTTTCGAACACGTGATAGAAGAGCTGTTGGA TGAGGACCAGAAAGTTCGGCCCAATGAAGAAAACAATAAGGACGCAGACTTGTACACGTC CAGGGTGATGCTCAGTAGTCAAGTGCCTTTGGAGCCTCCTCTTCTCTTTCTGCTGGAGGA ATACAAAAATTACCTAGATGCTGCAAACATGTCCATGAGGGTCCGGCGCCACTCTGACCC TGCCCGCCGAGGGGAGCTGAGCGTGTGTGACAGTATTAGTGAGTGGGTAACGGCGGCAGA CAAAAAGACTGCAGTGGACATGTCGGGCGGGACGGTCACAGTCCTTGAAAAGGTCCCTGT ATCAAAAGGCCAACTGAAGCAATACTTCTACGAGACCAAGTGCAATCCCATGGGTTACAC AAAAGAAGGCTGCAGGGGCATAGACAAAAGGCATTGGAACTCCCAGTGCCGAACTACCCA GTCGTACGTGCGGGCCCTTACCATGGATAGCAAAAAGAGAATTGGCTGGCGATTCATAAG GATAGACACTTCTTGTGTATGTACATTGACCATTAAAAGGGGAAGATAGTGGATTTATGT TGTATAGATTAGATTATATTGAGACAAAAATTATCTATTTGTATATATACATAACAGGGT AAATTATTCAGTTAAGAAAAAAATAATTTTATGAACTGCATGTATAAATGAAGTTTATAC AGTACAGTGGTTCTACAATCTATTTATTGGACATGTCCATGACCAGAAGGGAAACAGTCA TTTGCGCACAACTTAAAAAGTCTGCATTACATTCCTTGATAATGTTGTGGTTTGTTGCCG TTGCCAAGAACTGAAAACATAAAAAGTTAAAAAAAATAATAAATTGCATGCTGCTTTAAT TGTGAATTGAAAAAAAAAAAAAAAAAACTCGAC

| 5' Read Nucleotide | >OriGene 5' read for NM_170731 unedited |
| :---: | :---: |
| Sequence: | GTTCACAATTTGTATACGACTCACTATAGGGCGGCCGCGAATTCGCACGAGAATGTTCCA |
|  | CCAGTGAGAAGAGTGATGACCATCCTTTTCCTTACTATGGTTATTTCATACTTTGGTTGC |
|  | ATGAAGGCTGCCCCCATGAAAGAAGCAAACATCCGAGGACAAGGTGGCTTGGCCTACCCA |
|  | GGTGTGCGGACCCATGGGACTCTGGAGAGCGTGAATGGGCCCAAGGCAGGTTCAAGAGGC |
|  | TTGACATCATTGGCTGACACTTTCGAACACGTGATAGAAGAGCTGTTGGATGAGGACCAG |
|  | AAAGTTCGGCCCAATGAAGAAAACAATAAGGACGCAGACTTGTACACGTCCAGGGTGATG |
|  | CTCAGTAGTCAAGTGCCTTTGGAGCCTCCTCTTCTCTTTCTGCTGGAGGAATACAAAAAT |
|  | TACCTAGATGCTGCAAACATGTCCATGAGGGTCCGGCGCCACTCTGACCCTGCCCGCCGA |
|  | GGGGAGCTGAGCGTGTGTGACAGTATTAGTGAGTGGGTAACGGCGGCAGACAAAAAGACT |
|  | GCAGTGGACATGTCGGGCGGGACGGTCACAGTCCTTGAAAAGGTCCCTGTATCAAAAGGC |
|  | CAACTGAAGCAATACTTCTACGAGACCAAGTGCAATCCCATGGGTTACACAAAAGAANGC |
|  | TGCAGGGGCATAGACAAAAGGCATTGGAACTCCCAGTGCCGAACTACCCAGTCGTACGTG |
|  | CGGGCCCTTACCATGGATAGCANNAAGAAATTGGCTGGCGATTCATAANGATAGACACTN |
|  | TCTTGTGTATGTACATTGACCATTAAAAGGGG |
| 3' Read Nucleotide Sequence: | >Forward primer walk for NM_170731 unedited |
|  | GCGGCATGTCTTGACNTGTNGNNANNCCCTGTACTGTNATAAACTTCATTTATACATGCA |
|  | GTTCATAAAATTATTTTTTTCTTAACTGAATAATTTACCCTGTTATGTATATATACAAAT |
|  | AGATAATTTTTGTCTCAATATAATCTAATCTATACAACATAAATCCACTATCTTCCCCTT |
|  | TTAATGGTCAATGTACATACACAAGAAGTGTCTATCCTTATGAATCGCCAGCCAATTCTC |
|  | TTTTTGCTATCCATGGTAAGGGCCCGCACGTACGACTGGGTAGTTCGGCACTGGGAGTTC |
|  | CAATGCCTTTTGTCTATGCCCCTGCAGCCTTCTTTTGTGTAACCCATGGGATTGCACTTG |
|  | GTCTCGTAGAAGTATTGCTTCAGTTGGCCTTTTGATACAGGGACCTTTTCAAGGACTGTG |
|  | ACCGTCCCGCCCGACATGTCCACTGCAGTCTTTTTGTCTGCCGCCGTTACCCACTCACTA |
|  | ATACTGTCACACACGCTCAGCTCCCCTCGGCGGGCAGGGTCAAAGTGGCGCCGGACCCTC |
|  | AAGGACATGTTTGCAGCATCTAAGTAATTTTTGAATTCCCCAACCAAAAGAAAAAAAGAA |
|  | GCTCCAAAGGCACTTGACTACTGGACCATCAACCCTGGACGTGGACAAGTCCAGCCCTCC |
|  | CTATTGTTTAAATAAATGGAACCCAAAATAATAGGAACCAACAAACAAACCCTACAAACA |
|  | TCCCCCCCTCCAAAAACAGTCAAGACCAATAAAGTAAAGAACACATAAAACCATGCCCTG |
|  | GGGGACAAATACAAACAAACCAAGAATCACAAGGGGACCCCCACACCTGCGGGTAGAGCA |
|  | AGACGCACCCGAGCCCCCGGAATAGTAAGAATTTTATAAAGGAGGGAAAAGATAGAAAAC |
|  | GGCCAAGCTAAAGAAGATAACGAATGACGAGCCAGAAAGACCGAACGCCGTT |
| Restriction Sites: | Please inquire |
| ACCN: | NM_170731 |
| Insert Size: | 1200 bp |

OTI Disclaimer:

OTI Annotation:

Components:

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).

The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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 $5,000 \times \mathrm{g}$ for 5 min . <br> 2. Carefully open the tube and add 100 ul of sterile water to dissolve the DNA. <br> 3. Close the tube and incubate for 10 minutes at room temperature. <br> 4. Briefly vortex the tube and then do a quick spin (less than 5000 xg ) to concentrate the liquid <br> at the bottom. |
| :--- | :--- |
| 5. Store the suspended plasmid at $-20^{\circ} \mathrm{C}$. The DNA is stable for at least one year from date of |  |
| shipping when stored at $-20^{\circ} \mathrm{C}$. |  |

