

Product datasheet for **SC303801**

Nestin (NES) (NM_006617) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nestin (NES) (NM_006617) Human Untagged Clone
Tag: Tag Free
Symbol: Nestin
Synonyms: Nbla00170
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006617 edited
GGCACGAGGCCCGTCATTGTCCCCGTCGGTCTCTTTTCTCTCCGTCCTAAAAGCTCTG
CGAGCCGCTCCCTTCTCCCGGTGCCCGCTGTCCATCCTCAGTGGGTGAGACGAGCA
GGATGGAGGGCTGCATGGGGGAGGAGTCGTTTCAGATGTGGGAGCTCAATCGGCGCTGG
AGGCCTACCTGGCCCGGTCAAGGCGCTGGAGGAGCAGAATGAGCTGCTCAGCGCGGAGC
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TGGCGGCCCTGCGGGCCCTCGTTGACCAACGCTGGCGGGAGAAGCACGCGGCCGAGGTGG
CGCGCGACAACCTGGCTGAAGAGCTGGAGGGCGTGGCAGGCCGATGCCAGCAGCTGCGGC
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AGGATGGAGAATCCGGTGGGTCTAGAGTGTTCAGCATATGCCGAGGGGAAGGTGAAGGGC
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 AGCAGGAAATATGGGAAGAAGAGGATCTAACAGGAAGGAAATCCAGGACTCCCAGGTTC
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 CTGATTCTGTGAGTGTGAGTGTCCCCTGGGATGACAGCTTGAAGGGTGCAGTGGCTGGT
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 AAGAGTCTGACCTGTTTCTTGGAGAGGGAGGACAAAGTCCCTGGCCCTCTAGAGATCC

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CCAGTGGGATGGAGGATGCAGGCCAGGGGCAGACATCATTGGTGTAAATGGCCAGGGTC
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CATCCCGTCAGCTGAAAAGGCCTGTGGCCAGAGGCTTCTCAAAGGGAGGGTGACATG
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CACTGCAGTAGCAGCCCTCCTGGGCCGTGGCCTGTGGCTAATGGAGGTGACGGCACT
CCCATGTGCTGACTCCCCCATCCCTGCCACGCTGTGGCCCTGCCTGGCTAGTCCCTGCC
TGATAAAGTAATGCCTCCGCTTCAAAAAAAAAAAAAAAAAAAAAA

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| Restriction Sites: | Please inquire |
| ACCN: | NM_006617 |
| Insert Size: | 5600 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). |
| OTI Annotation: | The ORF of this clone has been fully sequenced and found to contain 2 SNPs compared with NM_006617.1. |
| 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_006617.1</u> , <u>NP_006608.1</u> |
| RefSeq Size: | 5591 bp |
| RefSeq ORF: | 4866 bp |
| Locus ID: | 10763 |
| UniProt ID: | <u>P48681</u> |
| Cytogenetics: | 1q23.1 |
| Protein Families: | ES Cell Differentiation/IPS |

Gene Summary:

This gene encodes a member of the intermediate filament protein family and is expressed primarily in nerve cells. [provided by RefSeq, Sep 2011]