

Product datasheet for **SC127295**

Neuronatin (NNAT) (NM_181689) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuronatin (NNAT) (NM_181689) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neuronatin
Synonyms:	Peg5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181689, the custom clone sequence may differ by one or more nucleotides

[ATGGCGGCAGTGGCGGGCCTCGGCTGAACTGCTCATCATCGGCTGGTACATCTCCGCGTGCTGCTGC
AGGTGTTCAAGTACTCCCTGCAGAAGCTGGCATACACGGTGTGCGGGACCGGGCGGCAGGTGTTGGGGGA
GCGCAGGCAGCGAGCCCCCAACTGA](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_181689 unedited
TAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGGTATCATCAGGTGCTCCT
GTGCATCTCGCCAGCACGGGAGCCAGTGCCGCGCAGGAATGTGGGGTCCCCTGTGTTCC
CTCGCCAGAGGAGCACTTGGCAAGGTCAGTGAGGGGCCAGTAGACCCCGGAGAAGCAGT
ACCGACAATGACGAAGATACCAGATCCCTTCCCAACCCCTTTGCACCGGTCCCCTAAGG
GGCAGGGTCGAGAGAGGAGGGGGATAGGGGGAGCAGACCCCTGAGATCTGGGCATAGGC
ACCGCATTCTGATCTGGACAAAGTCGGGACAGCACCATCCAGCCCCGAAGCCAGGGCCA
TGCCAGCAGGCCCCACCATGAAATCAAACACCCAGCCAGCAGAATGGACATTCT
GACATCGCCAGCCGACGCCCTGAATCTTGGTGCAGCACCACCGGTGCCTGTGTGGCGG
GACTGGAGGGCACAGTTGAGGAAGGAGGGTGGTTAAGAAATACAGTGGGGCCCTCTCGCT
GTCCCTTGCCAGGGCACTTGCATTCCAGCCTCGCTGCATTTGCTCTCTCGATTCCCCTT
TCCTCCTCACTGCCTCCCAAGCCCACCCTACTCCAAAATAATGTGTCATTGATTGGAA
CTATTCAGCAGNTAAAGTAAATGAAATCCACCTTTACTAAAACACTTTCTGAAACCC
CCCTTGCCCTCACTGATCTTGTCTTTCCCTGGTCTCATGCAGNTGTGGTCAATATTGTG
GGTATCGCTTATTGACTGATTGNTAAGTGTGCATTAGNTGTGTCTCCCAGCTAGATT
GTAAGCTCCTGGAGGACAGGACCACCTTACAAAAAAAAAAAAAAAAAACTCGCTCT

Restriction Sites: NotI-NotI



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ACCN:	NM_181689
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).
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_181689.1</u> , <u>NP_859017.1</u>
RefSeq Size:	1257 bp
RefSeq ORF:	165 bp
Locus ID:	4826
UniProt ID:	<u>Q16517</u>
Cytogenetics:	20q11.23
Protein Families:	Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a proteolipid that may be involved in the regulation of ion channels during brain development. The encoded protein may also play a role in forming and maintaining the structure of the nervous system. This gene is found within an intron of another gene, bladder cancer associated protein, but on the opposite strand. This gene is imprinted and is expressed only from the paternal allele. [provided by RefSeq, Apr 2016]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1, resulting in an isoform (beta) that is shorter compared to isoform alpha.</p>