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Product datasheet for SC210437

Neurogranin (NRGN) (NM_001126181) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Neurogranin
Synonyms:	hng; RC3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001126181
Insert Size:	863 bp

Insert Sequence:

>SC210437 3'UTR clone of NM_001126181
The sequence shown below is from the reference sequence of NM_001126181. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGCGCGGGCGGCGGCCCCAGCGGAGACTAGGCCAGAAGAACTGAGCATTTTCAAAGTTCCCGAGGAGAG
ATGGATGCCGCGTCCCCTTCGCAGCGACGAGACTTCCCTGCCGTGTTTGTGACCCCCTCCTGCCCAGCA
ACCTGCCAGCTACAGGAGCCCCCTGCGTCCCAGAGACTCCCTCACCCAGGCAGGCTCCGTCGCGGAGTC
GCTGAGTCCGTGCCCTTTTAGTTAGTTCTGCAGTCTAGTATGGTCCCCATTTGCCCTTCCACTCCACCC
CACCCTAAACCATGCGCTCCCAATCTTCCTTCTTTTGCTTCTCGCCCACCTCTTCCCGCACCCAGCATG
CAGCTCTGCCTCCGCAGCCTCAGTGCGCTTTCCTGCGCGCACTGCGGAGGGCGCCCTAAGCGTCACCCA
AGCACACTCACTTAAAGAAAAAACGAGTTCTTTCGTTCTGTGCGCAGCTAAAAGGGGCGCCCTACATCT
CCGTGCCACTCCCGCCCCAGCCTAGCCCCAAGACTTTGGATCCGGGGCGAGATGAAGGGAAGAGGGTTG
TTTTGGTTTCGGACGACCCTTGCTCTGACCGGAAGAGAAGTCCCTATCCCACACCTGCCTGTCACGTTC
CCTCCCCTTTCCCCAGCGCACTGTTGAGGGCAGCCTCTCCAGCTCTCTTGTTTATGCAAACGCCGAGCG
CCTGGGAGGCTCGGTAGGAGGAGTCTTCCACGGCCCCGCCCCGCCCCTGTCGGTCCCGCCCTCCCCCCC
GCCGGGCTCCTGGGGCTGTGGCCGAAAGGTTTCTGATCTCCGTGTGTGCATGTGACTGTGCTGGGTTGG
AATGTGAACAATAAAGAGGAATGTCCAAGTGTTCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

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OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001126181.2

Summary: Neurogranin (NRGN) is the human homolog of the neuron-specific rat RC3/neurogranin gene. This gene encodes a postsynaptic protein kinase substrate that binds calmodulin in the absence of calcium. The NRGN gene contains four exons and three introns. The exons 1 and 2 encode the protein and exons 3 and 4 contain untranslated sequences. It is suggested that the NRGN is a direct target for thyroid hormone in human brain, and that control of expression of this gene could underlay many of the consequences of hypothyroidism on mental states during development as well as in adult subjects. [provided by RefSeq, Jul 2008]

Locus ID: 4900

MW: 31.1