

Product datasheet for SC210413

Neurogranin (NRGN) (NM_006176) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Neurogranin (NRGN) (NM_006176) Human 3' UTR Clone
Symbol:	Neurogranin
Synonyms:	hng; RC3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006176
Insert Size:	860 bp
Insert Sequence:	<p>>SC210413 3'UTR clone of NM_006176</p> <p>The sequence shown below is from the reference sequence of NM_006176. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GGCGCGGGCGGCGGCCAGCGGAGACTAGGCCAGAACTGAGCATTTTCAAAGTTCCCGAGGAGAGATG
GATGCCGCGTCCCCTTCGACGCGACGAGACTCCCTGCCGTGTTTGTGACCCCCTCCTGCCAGCAACC
TGCCAGCTACAGGAGCCCCCTGCGTCCCAGAGACTCCCTACCCAGGCAGGCTCCGTCGCGGAGTCGCT
GAGTCCGTGCCCTTTTAGTTAGTTCTGCAGTCTAGTATGGTCCCATTGTCCTTCCACTCCACCCAC
CCTAAACCATGCGCTCCCAATCTTCCTTTTGTCTCGCCACCTCTCCCGCACCCAGCATGCAG
CTCTGCCTCCGCAGCCTCAGTGCCTTTCTGCGCGCACTGCGGAGGGCGCCCTAAGCGTCAACCAAGC
ACACTCACTTAAAGAAAAACGAGTTCTTTCTGTTCTGTGCGCAGCTAAAAGGGGCGCCCTACATCTCCG
TGCCACTCCCGCCCCAGCCTAGCCCCAAGACTTTGGATCCGGGGCGAGATGAAGGGAAGAGGGTTGTTT
TGGTTTCGGACGACCCTTGCTCTGACCGGAAGAGAAGTCCCTATCCCACACCTGCCTGTCACGTTCCCT
CCCCTTTCCCGAGCGCACTGTTGAGGGCAGCCTCTCCAGCTCTCTGTTTATGCAACGCCGAGCGCCT
GGGAGGCTCGGTAGGAGGAGTCTCCACGGCCCCGCCCCGCCCCGTGCGTCCCGCCCTCCCCCGCC
GGGCTCCTGGGCTGTGGCCGAAAGGTTTCTGATCTCCGTGTGTCATGTGACTGTGCTGGGTTGGAAT
GTGAACAATAAAGAGGAATGTCCAAGTGTTCA
ACGCGTAAGCGGCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
```

Restriction Sites: SgfI-MluI


[View online »](#)

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.
RefSeq:	<u>NM_006176.3</u>
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:	30.9