

Product datasheet for **RC224996L4V**

Neurogranin (NRGN) (NM_001126181) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Neurogranin (NRGN) (NM_001126181) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Neurogranin
Synonyms:	hng; RC3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001126181
ORF Size:	234 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224996).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001126181.1
RefSeq Size:	1238 bp
RefSeq ORF:	237 bp
Locus ID:	4900
UniProt ID:	Q92686
Cytogenetics:	11q24.2
Protein Families:	Druggable Genome
MW:	7.6 kDa


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Gene 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]