

Product datasheet for PH324996

OriGene Technologies, Inc.

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Neurogranin (NRGN) (NM_001126181) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: NRGN MS Standard C13 and N15-labeled recombinant protein (NP_001119653)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

or AA Sequence:

RC224996

Predicted MW: 7.6 kDa

Protein Sequence: >RC224996 protein sequence

Red=Cloning site Green=Tags(s)

MDCCTENACSKPDDDILDIPLDDPGANAAAAKIQASFRGHMARKKIKSGERGRKGPGPGGAGVARGG

AGGGPSGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 μg/μL as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 001119653

RefSeq Size: 1238 RefSeq ORF: 234

Synonyms: hng; RC3

Locus ID: 4900

UniProt ID: Q92686, A0A024R3M7

Cytogenetics: 11q24.2





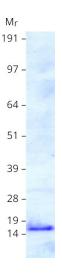
Summary:

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]

Protein Families:

Druggable Genome

Product images:



Coomassie blue staining of purified NRGN protein (Cat# [TP324996]). The protein was produced from HEK293T cells transfected with NRGN cDNA clone (Cat# [RC224996]) using MegaTran 2.0 (Cat# [TT210002]).