

Recombinant Human NRGN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NRGN-4185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NRGN MS Standard C13 and N15-labeled recombinant protein (NP_006167) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	7.6 kDa
AA Sequence	MDCCTENACSKPDDDILDDPGANAAAAKIQASFRGHMARKKIKSGERGRKGP GPGGPGGAGVARGGAGGGPSGDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NRGN neurogranin [Homo sapiens (human)]

Official Symbol NRGN

Synonyms NRGN; RC3; hng; neurogranin (protein kinase C substrate, RC3); neurogranin; ng; calmodulin-binding protein; protein kinase C substrate

Gene ID 4900

mRNA Refseq NM_006176

Protein Refseq NP_006167

MIM 602350

UniProt ID Q92686

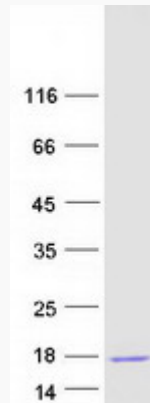
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SDS-PAGE



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