

Product datasheet for **TP324996**

Neurogranin (NRGN) (NM_001126181) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human neurogranin (protein kinase C substrate, RC3) (NRGN), transcript variant 2, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC224996 protein sequence
Red=Cloning site **Green**=Tags(s)

MDCCTENACSKPDDDDILDIPLDDPGANAAAAKIQASFRGHMARKKIKSGERGRKGPGGPGGAGVARGG
AGGGPSGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 7.4 kDa

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

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001119653](#)

Locus ID: 4900

UniProt ID: [Q92686](#), [A0A024R3M7](#)

RefSeq Size: 1238



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Cytogenetics: 11q24.2

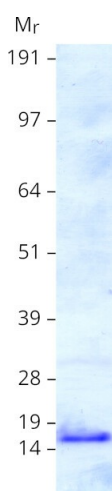
RefSeq ORF: 234

Synonyms: hng; RC3

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]).