

# Recombinant Full Length Human NRGN Protein, His tagged

Cat. No. NRGN-10HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human NRGN protein, fused to Histag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-78aa
<b>Description</b>	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.
<b>Tag</b>	N-His
<b>Form</b>	Liquid
<b>Molecular Mass</b>	10 kDa
<b>AA Sequence</b>	MGSSHHHHHSSGLVPRGSHMGSMDCCTENACSKPDDDILDIPLDDPGANAAAAKI

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QASFRGHMARKKIKSGERGRKGPGGPGGAGVARGGAGGGPSGD

**Purity** > 90% by SDS-PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5 mg/mL (determined by BCA assay)

**Storage Buffer** 20mM Tris-HCl buffer (pH7.0) containing 30% glycerol 0.1mM PMSF, 1mM EDTA

**Notes** For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

## GENE INFORMATION

**Gene Name** [NRGN neurogranin \(protein kinase C substrate, RC3\) \[ 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\\_001126181](#)

**Protein Refseq** [NP\\_001119653](#)

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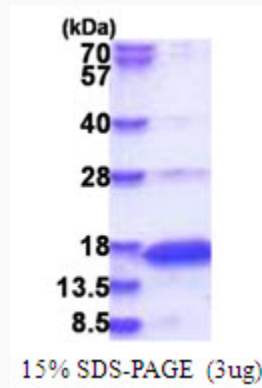
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MIM 602350

UniProt ID Q92686

SDS-PAGE



3  $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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