Recombinant Full Length Human NRGN Protein, His tagged

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

SPECIFICATION

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

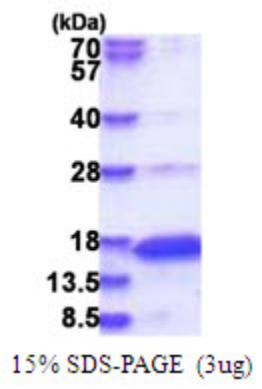
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	QASFRGHMARKKIKSGERGRKGPGPGGPGGAGVARGGAGGGPSGD
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing 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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MIM	602350
UniProt ID	Q92686
SDS-PAGE	 3 μg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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