NRGN (Human) Recombinant Protein

Catalog # P8964 Size 2 x 10 ug

Specification

Product Description	Human NRGN (Q92686, 1 a.a. - 78 a.a.) partial-length recombinant protein expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMDCCTENACSKPDDDILDIPLDDPGANAAAAKIQASFRGH MARKKIKSGERGRKGPGPGGPGGAGVARGGAGGGPSGD.
Host	Escherichia coli
Theoretical MW (kDa)	10
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS PAGE
Storage Buffer	20mM Tris-HCl buffer (pH7.0), 30% glycerol 0.1mM PMSF and 1mM EDTA.
Storage Instruction	Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Applications

- SDS-PAGE

Gene Info — NRGN

Entrez GeneID	4900
Protein Accession#	Q92686
Gene Name	NRGN

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Gene Alias	RC3, hng
Gene Description	neurogranin (protein kinase C substrate, RC3)
Omim ID	602350
Gene Ontology	Hyperlink
Gene Summary	Neurogranin (NRGN) is the human homolog of the neuron-specific rat RC3/neurogranin gene. Thi s gene encodes a postsynaptic protein kinase substrate that binds calmodulin in the absence of c alcium. The NRGN gene contains four exons and three introns. The exons 1 and 2 encode the prot ein and exons 3 and 4 contain untranslated sequences. It is suggested that the NRGN is a direct t arget for thyroid hormone in human brain, and that control of expression of this gene could underla y many of the consequences of hypothyroidism on mental states during development as well as in adult subjects. [provided by RefSeq
Other Designations	calmodulin-binding protein|neurogranin|protein kinase C substrate

Disease

- Genetic Predisposition to Disease
- Schizophrenia

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