

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 <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMDCCTENACSKPDDDLDDPGANAAAAKIQASFRGH MARKKIKSGERGRKGPGPGGPGGAGVARGGAGGGPSGD.
Host	Escherichia coli
Theoretical MW (kDa)	10
Form	Liquid
Preparation Method	<i>Escherichia coli</i> 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

Gene Alias	RC3, hng
Gene Description	neurogranin (protein kinase C substrate, RC3)
Omim ID	602350
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	calmodulin-binding protein neurogranin protein kinase C substrate

Disease

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)