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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

NRGN (Human) Recombinant Protein (P01)

Catalog Number: H00004900-P01

Regulation Status: For research use only (RUO)

Product Description: Human NRGN full-length ORF (AAH02835, 1 a.a. - 78 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MDCCTENACSKPDDLDIPLDDPGANAAAAKIQASFR
GHMARKKIKSGERGRKGPGGPGGAGVARGGAGG
GPSGD

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 34.32

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4900

Gene Symbol: NRGN

Gene Alias: RC3, hng

Gene 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]

References:

1. Regulation of CaMKII by Phospho-Thr253 or Phospho-Thr286 Sensitive Targeting Alters Cellular Function. Skelding KA, Suzuki T, Gordon S, Xue J, Verrills NM, Dickson PW, Rostas JA. Cell Signal. 2010 Jan 7. [Epub ahead of print]