

Product datasheet for **AR51554PU-N**

Neurogranin (1-78, His-tag) Human Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Neurogranin (1-78, His-tag) human protein, 0.25 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMDCCCTEN ACSKPDDDIL DIPLDDPGAN AAAAKIQASF RGHMARKKIK SGERGRKGPG PGGPGGAGVA RGGAGGGPSG D |
| Tag: | His-tag |
| Predicted MW: | 10.0 kDa |
| Concentration: | lot specific |
| Purity: | >90% by SDS - PAGE |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 7.0) containing 30% glycerol 0.1 mM PMSF, 1 mM EDTA |
| Preparation: | Liquid purified protein |
| Storage: | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | NP_001119653 |
| Locus ID: | 4900 |
| UniProt ID: | Q92686 , A0A024R3M7 |
| Cytogenetics: | 11q24.2 |
| Synonyms: | hng; RC3 |



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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, Jul 2008]

Protein Families:

Druggable Genome

Product images: