

## Product datasheet for **AR51554PU-S**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Neurogranin (1-78, His-tag) human protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMDCCCTEN ACSKPDDDDIL DIPLDDPGAN AAAAKIQASF RGHMARKKIK SGERGRKGP GGGPGGAGVA 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:	<a href="#">NP_001119653</a>
Locus ID:	4900
UniProt ID:	<a href="#">Q92686</a> , <a href="#">A0A024R3M7</a>
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:**