

NRGN recombinant protein

NRGN, 1-78aa, Human, His tag, E Coli

CATALOG # AAA48877	HOST E Coli	APPLICATIONS SDS-Page
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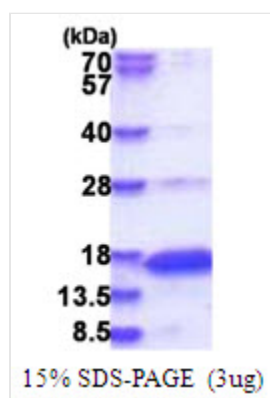
PRODUCT SYNONYMS

NRGN; 1-78aa; Human; His tag; E Coli; Neurogranin; hng; RC3; NRGN recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 7.0) containing 30% glycerol 0.1mM PMSF, 1mM EDTA
Concentration	0.5 mg/ml (determined by BCA assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSMDCCCTEN ACSKPDDDL DIPLDDPGAN AAAAKIQASF RGHMARKKIK SGERGRKGPG PGGPGGAGVA RGGAGGGPSG D
Sequence Length	78
Applicable Applications for NRGN recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NRGN recombinant protein	NRGN, also known as Neurogranin, is a calmodulin-binding protein expressed exclusively in the brain, particularly in dendritic spines, and participating in the protein kinase C signaling pathway. This protein is the main postsynaptic protein regulating the availability of calmodulin, binding to it in the absence of calcium. Phosphorylation by protein kinase C lowers its binding ability. Recombinant human NRGN protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography
Product Categories/Family for NRGN recombinant protein	Neuroscience
References	Martinez de Arrieta, C. et al. (1999) Endocrinology. 140: 335-343; Broadbelt K. et al. (2006) Schizophr Res. 87:6-14.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187131239
NCBI GeneID	4900
NCBI Accession #	NP_001119653
NCBI GenBank Nucleotide #	NM_001126181.1
UniProt Accession #	Q92686
Molecular Weight	10.0 kDa (101aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
NCBI Official Full Name	neurogranin
NCBI Official Synonym Full Names	neurogranin
NCBI Official Symbol	NRGN
NCBI Official Synonym Symbols	RC3; hng
NCBI Protein Information	neurogranin
UniProt Protein Name	Neurogranin
UniProt Gene Name	NRGN
UniProt Synonym Gene Names	Ng

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/nrgn-recombinant-protein-e-coli-sds-page/48877>