9051 Mira Mesa Blvd, #910094
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NRGN Human

Neurogranin Human Recombinant
NTR0055

Product Overview

Name	NRGN Human
Description	
Neurogranin Human Recombinant	
Accession (Primary)	Q92686
Synonyms	
hng, RC3, Neurogranin, Ng, NRGN.	
Introduction	
Neurogranin (NRGN) is a calmodulin-binding protein which is expressed solely in the brain, mainly in dendritic spines. NRGN is also taking part in the protein kinase C signaling pathway by being a "third messenger" substrate of protein kinase C-mediated molecular cascades during synaptic development and remodeling. NRGN binds to calmodulin in the absence of calcium. NRGN protein's phosphorylation by protein kinase C lowers its binding ability.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
NRGN protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH7.0), 30% glycerol 0.1mM PMSF and 1mM EDTA.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. 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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MDCCTEN ACSKPDDDIL DIPLDDPGAN AAAAKIQASF RGHMARKKIK SGERGRKGPG PGGPGGAGVA RGGAGGGPSG D.	
Precautions	
NRGN Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (Q92686)