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32-1624: NRGN Recombinant Protein

Alternative Name : hng,RC3,Neurogranin,Ng,NRGN.

Description

Source : Escherichia Coli. NRGN Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 101 amino acids (1-78 a.a.) and having a molecular mass of 10.0kDa (molecular size on SDS-PAGE will appear higher). NRGN is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	NRGN protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH7.0), 30% glycerol 0.1mM PMSF and 1mM EDTA.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMDCCTEN ACSKPDDDIL DIPLDDPGAN AAAAKIQASF RGHMARKKIK SGERGRKGPG PGGPGGAGVA RGGAGGGPSG D.

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