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Datasheet for ABIN7536501
Neurogranin Protein (NRGN) (Fc Tag)

Overview

Quantity:	100 µg
Target:	Neurogranin (NRGN)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neurogranin protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human NRGN/Neurogranin Protein
Sequence:	DCCTENACSK PDDDILDIPL DDPGANAAAA KIQASFRGHM ARKKIKSGER GRKGP GPGGP GGAGVARGGA GGGPSGD
Specificity:	Asp2-Asp78
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.01EU/µg

Target Details

Target:	Neurogranin (NRGN)
Alternative Name:	NRGN/Neurogranin (NRGN Products)
Background:	Description: Neurogranin is as a small protein encoded by the NRGN gene. it is a calmodulin-

Target Details

binding protein expressed primarily in the brain, particularly in dendritic spines, and participating in the protein kinase C signaling pathway. Neurogranin 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. It is a potential biomarker of neurological and mental diseases.

Name: RC3, hng, NRGN, Neurogranin

Gene ID: 4900

UniProt: [Q92686](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of 20 mM Tris 150 mM NaCl, pH 7.5.

Storage: -20 °C, -80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.