

RP01814

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Recombinant Human Neurogranin/NRGN Protein

Catalog No.: RP01814 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	4900	Q92686

Tags

C-hFC

Synonyms

RC3; hng;NRGN;Neurogranin

Product Information

Source

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.

Purification

≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 0.01 EU/μg of the protein by LAL method

Formulation

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

Reconstitution

Centrifuge the vial before opening.

Background

Neurogranin is a small protein encoded by the NRGN gene. It is a calmodulin-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.

Basic Information

Description

Recombinant Human Neurogranin/NRGN Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp2-Asp78) of human NRGN/Neurogranin (Accession #) fused with hFc tag at the C-terminus.

Bio-Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

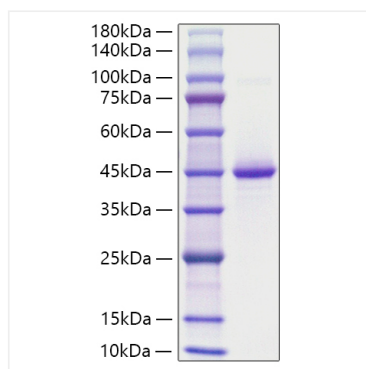
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Contact



www.abclonal.com

Validation Data



Recombinant Human
Neurogranin/NRGN Protein was
determined by SDS-PAGE under
reducing conditions with Coomassie
Blue.