

Recombinant Human Neurogranin/NRGN Protein

Catalog No.: RP01814

Sequence Information

Species **Gene ID**
Human 4900

Swiss Prot **Tags**
Q92686 C-hFC

Synonyms
RC3; hng;NRGN;Neurogranin

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE.

Calculated MW **Observed MW**
33.45 kDa 45 kDa

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.
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.

Background

Neurogranin is as 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.

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.

Storage

Store at –20°C

Operational Notes

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

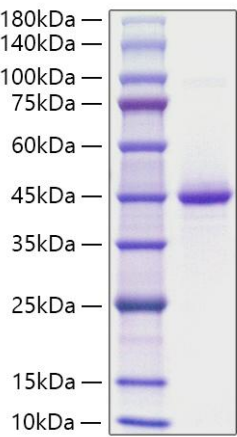
Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



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