Recombinant Rat SCN11A Protein Product Manual

1. Product Basic Information

Product No.: REP08174

Protein Name: Sodium Channel Protein Type Xi Subunit Alpha (SCN11A)

Aliases: NaN; PN5; FEPS3; HSAN7; SNS-NAV1.SCN12A; sodium channel protein type XI subunit alpha; sodium voltage-gated channel alpha subunit 11

UniProt ID: Q9UI33

UniProt Link: https://www.uniprot.org/uniprotkb/Q9UI33/entry

Species Source: Rattus norvegicus (Rat)

Expression System: E.coli

Protein Length: Partial (1-126aa)

Molecular Weight: 21.7 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-126aa)

MEERYYPVIFPDERNFRPFTSDSLAAIEKRIAIQKERKKSKDKAAAEPQPRPQLDLKA SRKLPKLYGDIPPELVAKPLEDLDPFYKDHKTFMVLNKKRTIYRFSAKRALFILGPFN PLRSLMIRIS

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Rat SCN11A partial protein (1-126aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. SCN11A, also known as NaN or PN5 or FEPS3, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.