



Recombinant Northern red shrimp NUC1 Protein Product Manual

1. Product Basic Information

Product No.: REP07659

Protein Name: Peroxisome Proliferator Activated Receptor Delta (NUC1)

Aliases: peroxisome proliferator activated receptor delta

UniProt ID: P08466

UniProt Link: <https://www.uniprot.org/uniprotkb/P08466/entry>

Species Source: Pandalus borealis (Northern red shrimp)

Expression System: E.coli

Protein Length: Partial (25-404aa)

Molecular Weight: 83.3 kDa

Protein Tag: N-terminal MBP-tagged

2. Amino Acid Sequence (25-404aa)

DCVWDNDVDYPEYPPLILDSSFQLVLPVLEGDQRITSVQSGSELILACPGREISALG
SEDAQATCLGGKLEVDGKEWNIVELGCTKMASETIHRNLGQCGDQDLGIYEVIGF
DLPTTGHFYELIRVCFDPANETTIFSENIVHGASIAAKDIDPGRPSFKTSTGFFSVSMI
SVYSQRNQLELMKNLLGDDELAATIIDPSKQFYFAKGHMAPDADFVTVVEQDATYY
YINALPQWQAFNNGNWKYLEYDTRDLAEKHGTDLTVYSGGWGVLELEDINGNPVEI
YLGLAQDKKVVPAALTWKVIYEKDTNRAAAIVGINNPHITTAPEPLCTDICSSLTWL
DFDFGDLVHGYTYCCSVADLRAAIPNVPDLGDDVDILDE

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 Northern red shrimp NUC1 partial protein (25-404aa) expressed in E.coli. The protein is with MBP tag at the N-terminus, which facilitates protein purification, detection and identification. NUC1, also known as peroxisome proliferator activated receptor delta, 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.