



# Recombinant *Streptomyces alboniger* pac Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07719

**Protein Name:** Cadherin 2, Type 1, N-Cadherin (Neuronal (pac)

**Aliases:** cadherin 2, type 1, N-cadherin (neuronal

**UniProt ID:** P13249

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P13249/entry>

**Species Source:** *Streptomyces alboniger*

**Expression System:** *E. coli*

**Protein Length:** Full Length (1-199aa)

**Molecular Weight:** 37.5kDa

**Protein Tag:** N-terminal 6xHis-SUMO-tagged

## 2. Amino Acid Sequence (1-199aa)

MTEYKPTVRLATRDDVPRAVRTLAAAFADYPATRHTVDPDRHIERVTELQELFLTRV  
GLDIGKVVVADDGAAVAVWTTPESEAGAVFAEIGPRMAELSGSRLAAQQQMEGL  
LAPHRPKEPAWFLATVGVSPDHQKGLGSAVVLPGVEAAERAGVPAFLETSAPRN  
LPFYERLGFTVTADVEVPEGPRTWCMTRKPGA

## 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



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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 *Streptomyces alboniger* pac full length protein (1-199aa) expressed in *E.coli*. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. pac, also known as cadherin 2, type 1, N-cadherin (neuronal, 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.