

# Recombinant Mouse PLIN2 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07815

**Protein Name:** PLIN2

**Aliases:** ADFP; ADRP; adipophilin

**UniProt ID:** Q99541

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q99541/entry>

**Species Source:** Mus musculus (Mouse)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (2-425aa)

**Molecular Weight:** 53.4 kDa

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (2-425aa)

AAAVDPQQSVVMRVANLPLVSSTYDLVSSAYVSTKDQYPYLRVCEMAEKGVKT  
VTSAAMTSALPIIQKLEPQIAVANTYACKGLDRMEERLPILNQPTSEIVASARGAVTG  
AKDVVTTTMMAGAKDSVASTVSGVVDKTKGAVTGSVERTKSVVNGSINTVLGMVQF  
MNSGVDNAITKSELLVDQYFPLTQEELEMEAKKVEGFDMVQKPSNYERLESSTKL  
CSRAYHQALSRVKEAKQKSQETISQLHSTVHLIEFARKNMHSANQKIQGAQDKLYV  
SWVEWKRSIGYDDTDESHCVEHIESRTLAIARNLTQQQLTTCQTVLVNAQGLPQNI  
QDQAKHLGVMAGDIYSVFRNAASFKEVSDGVLTSKGGQLQKMKESLDEVMDYFVN  
NTPLNWLVGPFYPQSTEVNKASLKVQQSEVKAQ

## 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 Mouse PLIN2 full length of mature protein protein (2-425aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. PLIN2, also known as ADFP or ADRP or adipophilin, 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.