

Recombinant Mouse Pdxp Protein Product Manual

1. Product Basic Information

Product No.: REP07761

Protein Name: Plp Phosphatase (Pdxp)

Aliases: CIN; PLP; dJ37E16.chronophin; PLP phosphatase; pyridoxal phosphatase; pyridoxal phosphate phosphatase; testicular secretory protein Li 36; pyridoxal (pyridoxine, vitamin B6) phosphatase

UniProt ID: P60487

UniProt Link: <https://www.uniprot.org/uniprotkb/P60487/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length (1-292aa)

Molecular Weight: 47.5kDa

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

2. Amino Acid Sequence (1-292aa)

MARCERLRGAALRDVLGQAQGVLFDCDGVWNGERIVPGAPELLQRLARAGKNTL
FVSNNSRRARPELALRFARLGFAGLRAEQLFSSALCAARLLRQRLSGPPDASGAVF
VLGGEGLRRAELRAAGLRLAGDPGEDPRVRAVLVGYDEQFSFSRLTEACAHLRDPD
CLLVATDRDPWHPLSDGSRTPGTGLAAAVETASGRQALVVGKPSPYMFQCITED
FSVDPARTLMVGDRLETDILFGHRCGMMTTVLTLTGVSSLEEAQAYLTAGQRDLVPH
YYVESIADLMEGLED

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 Pdxp full length protein (1-292aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. Pdxp, also known as CIN or PLP or dJ37E16.chronophin, 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.