



Recombinant Human PLTP Protein Product Manual

1. Product Basic Information

Product No.: REP07821

Protein Name: Lipid Transfer Protein Ii (PLTP)

Aliases: BPIFE; HDLCQ9; lipid transfer protein II

UniProt ID: P55058

UniProt Link: <https://www.uniprot.org/uniprotkb/P55058/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (18-493aa)

Molecular Weight: 80.1kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (18-493aa)

EFPGCKIRVTSKALELVKQEGLRFLEQELETITIPDLRGKEGHFYFNISEVKVTELQLT
SSELDLFPQQELMLQITNASLGLRFRRQLLYWFFYDGGYINASAEGVSIRTGLELSR
DPAGRMKVSNSVSCQASVSRMHAAFGGTFKKVYDFLSTFITSGMRFLNQQICPVLY
HAGTVLLNSLLDTPVVRSSVDELVGDYSLMKDPVASTSNLDMDFRGAFFPLTERN
WSLPNRAVEPQLQEEERMVYVAFSEFFFDSSAMESYFRAGALQLLLVGDKVPDLD
MLLRATYFGSIVLLSPAVIDSPLKLELRVLAPPRCTIKPSGTTISVTASVTIALVPPDQP
EVQLSSMTMDARLSAKMALRGKALRTQLDLRRFRIYSNHSALSLALIPLQAPLKTM
LQIGVMPMLNERTWRGVQIPLPEGINFVHEVVTNHAGFLTIGADLHFAKGLREVIEK
NRPADVRASTAPTSTAAV

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 Human PLTP full length of mature protein protein (18-493aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. PLTP, also known as BPIFE or HDLCQ9 or lipid transfer protein II, 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.