

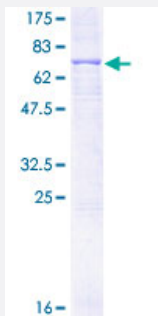
Full-Length

PLTP (Human) Recombinant Protein (P01)

Catalog # H00005360-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PLTP full-length ORF (AAH05045, 19 a.a. - 441 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

FPGCKIRVTSKALELVKQEGLRFLEQELETITIPDLRGKEGHFYNNISEVKVTELQLTSSSELDFFQPQ
QELMLQITNASLGLRFRRQLLYWFLKVYDFLSTFITSGMRFLNQQICPVLYHAGTVLLNSLLDTVPV
RSSVDELVGIDYSLMKDPVASTSNLDMDFRGAFFPLTERNWSLPNRAVEPQLQEEERMVYVAFS
EFFFDAMESYFRAGALQLLLVGDKVPHDLDMLLRATYFGSMVLLSPAVIDSPLKLELRVLAPPRC
TIKPSGTTISVTASVTIALVPPDQPEVQLSSMTMDARLSAKMALRGKALRTQLDLRRFRYSNHSAL
ESLALIPLQAPLKTMLQIGVMPMLNERTWRGVQIPLPEGINFVHEVVTNHAGFLTIGADLHFAKGLR
EVIEKNRPADVRASTAPTPTAAV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.05

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PLTP

Entrez GeneID [5360](#)**GeneBank Accession#** [BC005045](#)**Protein Accession#** [AAH05045](#)**Gene Name** PLTP**Gene Alias** HDLCQ9**Gene Description** phospholipid transfer protein**Omim ID** [172425](#)**Gene Ontology** [Hyperlink](#)

Gene Summary The protein encoded by this gene is one of at least two lipid transfer proteins found in human plasma. The encoded protein transfers phospholipids from triglyceride-rich lipoproteins to high density lipoprotein (HDL). In addition to regulating the size of HDL particles, this protein may be involved in cholesterol metabolism. At least two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000031678|lipid transfer protein II

Publication Reference

- [Differences in human phospholipid transfer protein activity following incubation of Fungizone\(R\) compared to lipid-based Amphotericin-B formulations in normolipidemic and hyperlipidemic plasma.](#)

Henderson RJ, Leon CG, Wasan KM.

Drug Development and Industrial Pharmacy 2009 Sep; 35(9):1139.

Application: WB, Human, Plasma

Pathway

- [PPAR signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Coronary Artery Disease](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemias](#)
- [Obesity](#)
- [Syndrome](#)
- [Tangier disease](#)