

PLTP Protein, Human, Recombinant (Yeast, His)

General Information

Synonyms: phospholipid transfer protein;HDLCQ9;BPIFE

Protein Construction: 18-493 aa

Species: Human

Expression Host: P. pastoris (Yeast)

Accession: P55058

Molecular Weight: 55.1 kDa (Predicted)

AA Sequence: EFPGCKIRVTSKALELVKQEGLRFLEQELETITIPDLRGKEGHFYINISEVKVTELQLTSSSELDQFQPQELMLQIT
NASLGLRFRRLQLLYWFFYDGGYINASAEGVSIRTGLELSRDPAGRMKVSNSVSCQASVSRMHAAFSGGTFKKVY
DFLSTFITSGMRFLNQQICPVLVYHAGTVLLNSLLDTPVVRSSVDELVGIDYSLMKDPVASTSNLDMDFRGAFF
PLTERNWSLPNRAVEPQLQEEERMVYVAFSEFFDSAMESYFRAGALQLLLVGDKVPDLDMLLRATYFGSIV
LLSPAVIDSPLKLELRVLAPPRCTIKPSGTTISVTASVTIALVPPDQPEVQLSSMTMDARLSAKMALRGKALRTQ
LDLRRFRIYSNHSALSLALIPLQAPLKTMLQIGVMPMLNERTWRGVQIPLPEGINFVHEVVTNHAGFLTIGAD
LHFAKGLREVIEKNRPADVRASTAPTSTAAV

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it.

Purity: > 90% as determined by SDS-PAGE

Endotoxin: < 1.0 EU/ μ g of the protein as determined by the LAL method.

Formulation: If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.
If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μ g/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Facilitates the transfer of a spectrum of different lipid molecules, including diacylglycerol, phosphatidic acid, sphingomyelin, phosphatidylcholine, phosphatidylglycerol, cerebroside and phosphatidyl ethanolamine. Essential for the transfer of excess surface lipids from triglyceride-rich lipoproteins to HDL, thereby facilitating the formation of smaller lipoprotein remnants, contributing to the formation of LDL, and assisting in the maturation of HDL particles. PLTP also plays a key role in the uptake of cholesterol from peripheral cells and tissues that is subsequently transported to the liver for degradation and excretion. Two distinct forms of PLTP exist in plasma

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481