



# Recombinant Human Phospholipid transfer protein (PLTP)

<b>Product Code</b>	CSB-YP018212HU(F2)
<b>Relevance</b>	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 rnants, 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: an active form that can transfer PC from phospholipid vesicles to high-density lipoproteins (HDL), and an inactive form that lacks this capability.
<b>Abbreviation</b>	Recombinant Human PLTP protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P55058-2
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	<p>                     EFPGCKIRVTSKALELVKQEGLRFLEQELETITIPDLRGKEGHFYYNISEVKVTE                      LQLTSSSELDQFPQQELMLQITNASLGLRFRRLLYWFLKVDYDFLSTFITSGMRF                      LLNQQICPVLYHAGTVLLNSLLDTVPVRSSVDELVGIDYSLMKDPVASTSNLDM                      DFRGAFFPLTERNWVSLPNRAVEPQLQEEERMVYVAFSEFFFDSSAMESYFRAG                      ALQLLLVGDKVPHDLDMLLRATYFGSIVLLSPAVIDSPLKLELRVLAPPRCTIKPS                      GTTISVTASVTIALVPPDQPEVQLSSMTMDARLSAKMALRGKALRTQLDLRRF                      RIYSNHSALSLALIPLQAPLKTMLQIGVMPMLNERTWRGVQIPLPEGINFVHEV                      VTNHAGFLTIGADLHFAKGLREVIEKNRPADVRASTAPTSTAASV                 </p>
<b>Research Area</b>	Transport
<b>Source</b>	Yeast
<b>Target Names</b>	PLTP
<b>Protein Names</b>	Recommended name: Phospholipid transfer protein Alternative name(s): Lipid transfer protein II
<b>Expression Region</b>	18-441aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Tag Info**

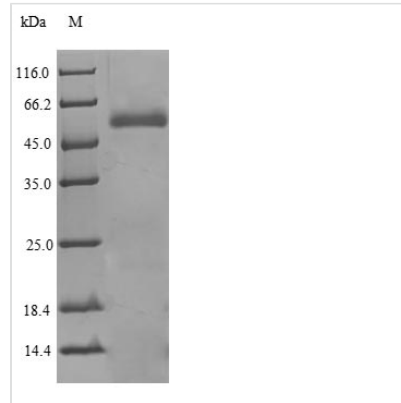
N-terminal 6xHis-tagged

**Mol. Weight**

49.6 kDa

**Protein Length**

Full Length of Mature Protein of Isoform 2

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.