



Recombinant Human Phospholipid transfer protein(PLTP)

Product Code	CSB-YP018212HU
Relevance	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.
Storage	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.
Uniprot No.	P55058
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Lipid transfer protein II
Product Type	Recombinant Protein
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	EFPGCKIRVTSKALELVKQEGLEFLQELETITIPDLRGKEGHFYNNISEVKVTE LQLTSSSELDLFPQQLMLQITNASLGLRFRRLLYWFFYDGGYINASAEGVSIR TGLELSRDPAGRMKVSNSVSCQASVSRMHAAFGGTFKKVYDFLSTFITSGMRF LLNQQICPVLYHAGTVLLNSLLDTPVRSSVDELVGIDYSLMKDPVASTSNLDM DFRGAFFPLTERNWSLPNRAVEPQLQEEERMVYVAFSEFFFDSESYFRAG ALQLLLVGDKVPHDLDMLLRATYFGSIVLLSPAVIDSPLKLELRVLAPPRCTIKPS GTTISVTASVTIALVPPDQPEVQLSSMTMDARLSAKMALRGKALRTQLDLRRF RIYSNHSALSLALIPQLAPLKTMLQIGVMPMLNERTWRGVQIPLPEGINFVHEV VTNHAGFLTIGADLHFAKGLREVIEKNRPADVRASTAPTSTAASV
Research Area	Transport
Source	Yeast
Gene Names	PLTP
Protein Names	Recommended name: Phospholipid transfer protein Alternative name(s): Lipid transfer protein II
Expression Region	18-493aa



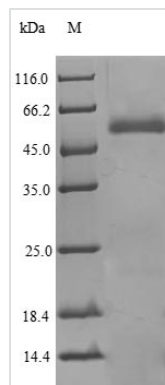
Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Tag Info N-terminal 6xHis-tagged

Mol. Weight 55.1kDa

Protein Description Full Length of Mature Protein

Image



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