

## Product datasheet for PH305797

### PLTP (NM\_006227) Human Mass Spec Standard

#### Product data:

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Mass Spec Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Description:                          | PLTP MS Standard C13 and N15-labeled recombinant protein (NP_006218)                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Species:                              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Expression Host:                      | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Expression cDNA Clone or AA Sequence: | RC205797                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Predicted MW:                         | 54.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Protein Sequence:                     | >RC205797 protein sequence<br>Red=Cloning site Green=Tags(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                       | MALFGALFLALLAGAHAVFPGCKIRVTSKALELVKQEGLRFLEQELETITIPDLRGKEGHFYNNISEVKV<br>TELQLTSSELDQFQPQELMLQITNASLGLRFRQQLLYWFFYDGGYINASAEGVSIRTGLELSRDPAGRMK<br>VSNVSCQASVSRMHAFFGGTFKKVYDFLSTFITSGMRFLNQQICPVLYHAGTVLLNSLLDTPVRSSVD<br>ELVGDYSLMKDPVASTSNLDMDFRGAFFPLTERNWSPNRAVEPQLQEEERMVYVAFSEFFDSSAMESY<br>FRAGALQLLLVGDKVPDLDMLLRATYFGSIVLLSPAVIDSPLKLELRVLAPPRCTIKPSGTTISVTASV<br>TIALVPPDQPEVQLSSMTMDARLSAKMALRGKALRTQLDLRRFRIYSNHSALSLALIPLQAPLKTMLQI<br>GVMPMLNERTWRGVQIPLPEGINFVHEVVTNHAGFLTIGADLHFAKGLREVIEKRNRPADVRASTAPTST<br>AAV |
|                                       | TRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Tag:                                  | C-Myc/DDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Labeling Method:                      | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine                                                                                                                                                                                                                                                                                                                                                            |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Storage:                              | Store at -80°C. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Stability:                            | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq:                               | <a href="#">NP_006218</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RefSeq Size:                          | 2100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| RefSeq ORF:                           | 1479                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



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**Synonyms:** BPIFE; HDLCQ9

**Locus ID:** 5360

**UniProt ID:** [P55058](#)

**Cytogenetics:** 20q13.12

**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, Jul 2008]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** PPAR signaling pathway

### Product images:



Coomassie blue staining of purified PLTP protein (Cat# [TP305797]). The protein was produced from HEK293T cells transfected with PLTP cDNA clone (Cat# [RC205797]) using MegaTran 2.0 (Cat# [TT210002]).