



# Recombinant Protein Technical Manual

## Recombinant Human PITPNA Protein (His Tag)

RPES1823

### Product Data:

**Product SKU:** RPES1823

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q00169

### Protein Information:

**Molecular Mass:** 34.0 kDa

**AP Molecular Mass:** 16&22&38 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at<-20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 1mM EDTA, 1mM DTT, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Phosphatidylinositol Transfer Protein Alpha Isoform; PI-TP-Alpha; PtdIns Transfer Protein Alpha; PtdInsTP Alpha; PITPNA; PITPN

## Immunogen Information:

**Sequence:** Met 1-Asp270

## Background:

Phosphatidylinositol Transfer Protein  $\alpha$  Isoform (PITPNA) is found in the cytoplasm and belongs to the PtdIns transfer protein family. PITPNA is a ubiquitous and highly conserved protein in multicellular eukaryotes that catalyzes the exchange of phospholipids between membranes and participates in cellular phospholipid metabolism, signal transduction and vesicular trafficking in vivo. It is expressed in a wide range of tissues and implicated in phospholipase C signaling and in the production of phosphatidylinositol 3, 4, 5-trisphosphate (PIP3) by phosphoinositide-3-kinase.