

# Recombinant Human PITPNB Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PITPNB-1226H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PITPNB MS Standard C13 and N15-labeled recombinant protein (NP_036531) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene encodes a cytoplasmic protein that catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes. This transfer activity is required for COPI complex-mediated retrograde transport from the Golgi apparatus to the endoplasmic reticulum. Alternative splicing of this gene results in multiple transcript variants. |
| <b>Molecular Mass</b>   | 31.5 kDa                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MVLIKEFRVVLPCSVQEYQVGQLYSVAEASKNETGGGEGIEVLKNEPYEKDGEKGQ<br>YTHKIYHLKSKVPAFVRMIAPEGSLVFHEKAWNAYPYCRTIVTNEYMKDDFFIKIETW<br>HKPDLGTLNVHGLDPNTWKTVEIVHIDIADRSQVEPADYKADEDPALFQSVKTKRG<br>PLGPNWKKELANSPDCPQMCAKLVTIKFKWWGLQSKVENFIQKQEKRIFTNFHRQ<br>LFCWIDKWIDLTMEDIRMEDETQKELETMRKRGSVRGTSAADVTRTRPLEQKLISE<br>EDLAANDILDYKDDDDKV                            |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

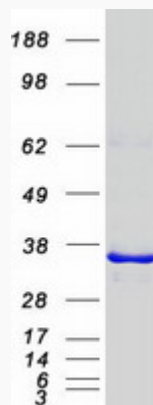
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PITPNB phosphatidylinositol transfer protein beta [ Homo sapiens (human) ]                                                                                                                                                      |
| <b>Official Symbol</b> | PITPNB                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | PITPNB; phosphatidylinositol transfer protein, beta; phosphatidylinositol transfer protein beta isoform; VIB1B; ptdInsTP beta; PtdIns transfer protein beta; phosphatidylinositol transfer protein, beta; PtdInsTP; PI-TP-beta; |
| <b>Gene ID</b>         | 23760                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_012399                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>  | NP_036531                                                                                                                                                                                                                       |
| <b>MIM</b>             | 606876                                                                                                                                                                                                                          |
| <b>UniProt ID</b>      | P48739                                                                                                                                                                                                                          |

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**SDS-PAGE**

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