

## Recombinant Human PITPNM3 protein, MYC/DDK-tagged

Cat. No. PITPNM3-12H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PITPNM3 fused with MYC/DDK tag at C-terminal was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | This gene encodes a member of a family of membrane-associated phosphatidylinositol transfer domain-containing proteins. The calcium-binding protein has phosphatidylinositol (PI) transfer activity and interacts with the protein tyrosine kinase PTK2B (also known as PYK2). The protein is homologous to a Drosophila protein that is implicated in the visual transduction pathway in flies. Mutations in this gene result in autosomal dominant cone dystrophy. |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 106.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                     |

### GENE INFORMATION

|                        |                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------|
| <b>Official Symbol</b> | <a href="http://www.ncbi.nlm.nih.gov/gene/83394">http://www.ncbi.nlm.nih.gov/gene/83394</a> |
|------------------------|---------------------------------------------------------------------------------------------|

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | PITPNM3; PITPNM family member 3; membrane-associated phosphatidylinositol transfer protein 3; NIR1; RDGBA3; NIR-1; PITPnm 3; retinal degeneration B alpha 3; PYK2 N-terminal domain-interacting receptor 1; phosphatidylinositol transfer protein, membrane-associated 3; CORD5; MGC157740; MGC157741; |
| <b>Gene ID</b>             | <a href="#">83394</a>                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | <a href="#">NM_031220</a>                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>      | <a href="#">NP_112497</a>                                                                                                                                                                                                                                                                              |
| <b>MIM</b>                 | <a href="#">608921</a>                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>          | <a href="#">Q9BZ71</a>                                                                                                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 17p13                                                                                                                                                                                                                                                                                                  |
| <b>Function</b>            | calcium ion binding; lipid binding; phosphatidylinositol transporter activity; protein binding; receptor tyrosine kinase binding;                                                                                                                                                                      |

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