

Recombinant Human PITPNM3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PITPNM3-6484H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PITPNM3 MS Standard C13 and N15-labeled recombinant protein (NP_112497) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	106.6 kDa
AA Sequence	MAKAGRAGGPPPGGGAPWHLRNVLSDSVESSDDEFFDAREEMAEGKNAILIGMSQ WNSNDLVEQIETMGKLDEHQGEGTAPCTSSILQEKQRELYRVSLRRQRFP AQGSIEI HEDSEEGCPQRSCKTHVLLLVLHGGNILD TGAGDPSCKAADIHTFSSVLEKVTRAHF PAALGHILIKFVPCPAICSEAFSLVSHLNPYSHDEGCLSSSQDHVPLAALPLLAISSPQ YQDAVATVIERANQVYREFLKSSDGIGFSGQVCLIGDCVGGLLAFDAICYSAGPSGD SPASSSRKGSISSTQDTPVAVEEDCSLASSKRLSKSNIDISSGLEDEEPRPLPRKQS

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DSSTYDCEAITQHHAFLSSIHSSVLKDESETPAAGGPQLPEVSLGRFDFDVSDFFLF
 GSPLGLVLAMRRTVLPGLDGFQVRPACSQVYSFFHCADPSASRLEPLLEPKFHLVP
 PVSVPYRQRFPLGDGQSLLLADALHTHSPLFLEGSSRDSPPLLDAPASPPQASRFQ
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 QVKLRNVTANHRANDVIAAEDGPQVLVGRFMYGPLDMVALTGEKVDILVMAEPSSG
 RWVHLDTEITNSSGRITYNVPRPRRLGVGVYPVKMVVRGDQTCAMSYLTVLPRGME
 CVVFSIDGSFAASVSIMGSDPKVRPGAVDVVRHWQDLGYMILYITGRPDMQKQRRV
 SWLSQHNFPQGMIFFSDDLVDPLRQKAIFLRNLMQECFIKISAAYGSTKDISVYSVL
 GLPASQIFIVGRPTKKYQTQCQLSEGYAAHLAALEASHRSRPPKNNSRMILRKGSF
 GLHAQPEFLRKRNLHRRMTSVQQPDPPAANPKPERAQSQPESDKDHERPLPALSW
 ARGPPKFESVPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PITPNM3 PITPNM family member 3 [Homo sapiens (human)]

Official Symbol PITPNM3

Synonyms PITPNM3; PITPNM family member 3; membrane-associated phosphatidylinositol

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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;

Gene ID [83394](#)

mRNA Refseq [NM_031220](#)

Protein Refseq [NP_112497](#)

MIM [608921](#)

UniProt ID [Q9BZ71](#)

SDS-PAGE

