

Product datasheet for **RG237078**

PITPNB (NM_001284278) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PITPNB (NM_001284278) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PITPNB
Synonyms:	PI-TP-beta; PtdInsTP; VIB1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237078 representing NM_001284278. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGAGATTTGTTGATGGAGAAGTGCCGTGTGGTTTTGCCATGTTCTGTTCAGGAGATCAGGTTGGG
CAGCTTTACTCTGTTGCAGAAGCTAGTAAGAATGAGACTGGTGGTGGAGAAGGAATTGAAGTCTTAAAG
AATGAACCTTATGAGAAGGATGGAGAAAAGGGACAGTATACGCACAAAATTTATCACCTAAAGAGCAAA
GTGCCTGCATTCGTGAGGATGATTGCTCCCGAGGGCTCCTTGGTGTTCATGAGAAAGCCTGGAATGCG
TACCCCTACTGTAGAACAATTGTAAACGAATGAATATATGAAAGATGATTTCTTCATTAATAATCGAAACA
TGGCACAACCCAGACTTGGGAACATTAGAAAATGTACATGGTTTAGATCCAAACACATGGAAAACCTGTT
GAAATTGTCCATATAGATATTGCAGATAGAAGTCAAGTTGAACCAGCAGACTACAAGCTGATGAAGAC
CCAGCATTATTCCAGTCAGTCAAGACCAAGAGAGGCCCTTTGGGACCAACTGGAAGAAGGAGCTGGCA
AACAGCCCTGACTGTCCCCAGATGTGTGCCTATAAGCTGGTGACCATCAAATTCAGTGGTGGGGACTG
CAAAGCAAAGTAGAAAACCTTCATTCAAAGCAAGAAAAACGGATATTTACAAACTTCCATCGCCAGCTT
TTTTGTTGGATTGACAAGTGGATCGATCTCAGATGGAAGACATTAGGAGAATGGAAGACGAGACTACG
AAAGAACTAGAAACAATGCGTAAGAGGGTTCCGTTGAGGCACGTCGGCTGCTGATGTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237078
 Blue=ORF Red=Cloning site Green=Tag(s)

MGDLLMEKCRVVLPCSVQEYVQGQLYSVAEASKNETGGGEGIEVLKNEPYEKDGEKGQYTHKIYHLKSK
 VPAFVRMIAPEGLVVFHEKAWNAPYPCRTIVTNEYMKDDFFIKIETWHKPDGLTLENVHGLDPNTWKT
 EIVHIDIADRSQVEPADYKADEDPALFQSVKTKRGLPGNWKELANSPDCPQMCAKYLVTIKFKWGL
 QSKVENFIQKQEKRIFTNFHRQLFCWIDKWIDLTMEDIRMEDETQKELETMRKRGSVRGTSADV
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001284278

ORF Size: 819 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001284278.1](#), [NP_001271207.1](#)

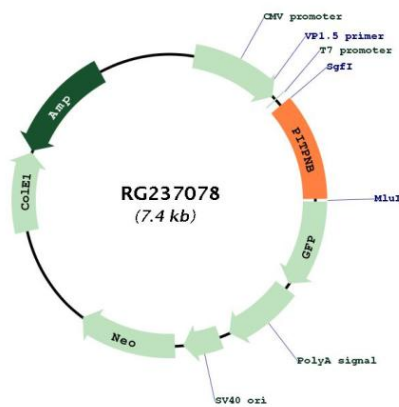
RefSeq Size: 2959 bp

RefSeq ORF: 822 bp

Locus ID: 23760
UniProt ID: [P48739](#)
Cytogenetics: 22q12.1
MW: 32.2 kDa

Gene Summary: 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. [provided by RefSeq, Sep 2013]

Product images:



Circular map for RG237078