

## Product datasheet for **RG208326**

### **PITPN (PITPNA) (NM\_006224) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PITPN (PITPNA) (NM_006224) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PITPN
Synonyms:	HEL-S-36; PI-TPalpha; PITPN; VIB1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208326 representing NM_006224 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGCTGCTCAAGGAGTATCGAGTAATCCTGCCTGTGTCTGTAGATGAGTATCAAGTGGGGCAGCTGT  
ATTCTGTGGTGAGGCCAGTAAAAATGAAACGGGTGGTGGCGAAGGCGTGGAGGTCCTGGTGAATGAGCC  
CTACGAGAAGGACGGTGAGAAAGGCCAGTACACACATAAGATCTACCACCTGCAGAGCAAAGTACCCACG  
TTTGTTCGAATGCTGGCCCCAGAGGGAGCCCTGAATATACACGAGAAAGCCTGGAATGCTTACCCCTACT  
GCAGAACCGTTATTACAAATGAGTACATGAAAGAAGACTTCTGATTAATAATTGAAACCTGGCACAACCC  
AGATCTTGGCACGAGGAGAATGTGCATAAGCTGGAGCCTGAGGCGTGGAAACACGTTGGAAGCCGTATAT  
ATAGACATTGCAGATCGAAGCCAAGTGCTCAGCAAGGATTACAAGGCAGAGGAAGACCCAGCAAAATTTA  
AATCTATCAAAACAGGCCGAGGACCCCTGGGCCCAATTGGAAGCAAGAGCTTGTAAACCAGAAGGACTG  
CCCATATATGTGTGCATACAACTGGTGACCGTCAAGTCAAGTGGTGGGGCCTGCAGAACAAGTGGAG  
AACTTCATCCATAAGCAAGAGAGGCGTCTGTTTACAACTTCCACAGGCAGCTGTTCTGTTGGCTCGATA  
AGTGGGTTGACCTGACCATGGACGACATTCGAAGGATGGAAGAAGAGACGAAGAGACAGCTGGATGAAAT  
GAGACAAAAGGACCCAGTGAAGGAATGACAGCAGATGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208326 representing NM\_006224  
 Red=Cloning site Green=Tags(s)

MVLLKEYRVILPVSVDYVQVQLYSVAEASKNETGGGEGVEVLVNEPYEKDGEKGQYTHKIYHLQSKVPT  
 FVRMLAPEGALNIHEKAWNAYPYCRTVITNEYMKEDFLIKIETWHKPDLTQENVHKLEPEAWKHVEAVY  
 IDIADRSQVLSKDYKAEEDPAKFKSIKTGRGPLGNWQELVNQKDCPYMCAKLVTVKFKWGLQNKVE  
 NF IHKQERRLFTNFHRQLFCWLDKWVDLTMDDIRRMEEETKRQLDEMQRKDPVKGMTADD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_006224

**ORF Size:** 810 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_006224.2](#), [NP\\_006215.1](#)

**RefSeq Size:** 3632 bp

**RefSeq ORF:** 813 bp

**Locus ID:** 5306

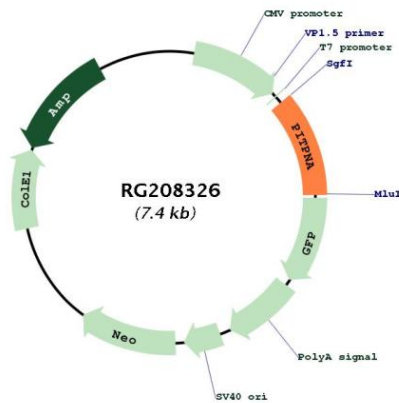
**UniProt ID:** [Q00169](#)

**Cytogenetics:** 17p13.3

**Domains:** IP\_trans

**Gene Summary:** This gene encodes a member of a family of lipid-binding proteins that transfer molecules of phosphatidylinositol or phosphatidylcholine between membrane surfaces. The protein is implicated in phospholipase C signaling and in the production of phosphatidylinositol 3,4,5-trisphosphate (PIP3) by phosphoinositide-3-kinase.[provided by RefSeq, Sep 2009]

### Product images:



Circular map for RG208326