

Product datasheet for SC116232

PITPN (PITPNA) (NM_006224) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PITPN (PITPNA) (NM_006224) Human Untagged Clone
Tag:	Tag Free
Symbol:	PITPN
Synonyms:	HEL-S-36; PI-TPalpha; PITPN; VIB1A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116232 sequence for NM_006224 edited (data generated by NextGen Sequencing)

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ATGGTGTGCTCAAGGAATATCGAGTAATCCTGCCTGTGTCTGTAGATGAGTATCAAGTG
GGGCAGCTGTATTCTGTGGCTGAGGCCAGTAAAAATGAAACGGGTGGTGGCGAAGCCGTG
GAGGTCTGTGTAATGAGCCCTACGAGAAGGACGGTGAGAAAGGCCAGTACACACAAG
ATCTACCACCTGCAGAGCAAAGTACCCACGTTTGTTCGAATGCTGGCCCCAGAGGGAGCC
CTGAATATACACGAGAAAGCCTGGAATGCTTACCCTACTGCAGAACCGTTATTACAAAT
GAGTACATGAAAGAAGACTTTCTGATTAATAATTGAAACCTGGCACAAACCAGATCTTGGC
ACGCAGGAGAATGTGCATAAGCTGGAGCCTGAGGCGTGGAAACACGTGGAAGCCGTATAT
ATAGACATTGCAGATCGAAGCCAAGTGCTCAGCAAGGATTACAAGGCAGAGGAAGACCCA
GCAAAATTTAAATCTATCAAACAGGCCGAGGACCCTTGGGCCCAATTGGAAGCAAGAG
CTTGTAACCAGAAGGACTGCCCATATATGTGTGCATACAACTGGTGACCGTCAAGTTC
AAGTGGTGGGGCCTGCAGAACAAAGTGGAGAACTTCATCCATAAGCAAGAGGGCGTCTG
TTTACAACTTCCACAGGCAGCTGTTCTGTTGGCTCGATAAAGTGGGTTGACCTGACCATG
GACGACATTCGAAGGATGGAAGAAGAGACGAAGAGACAGCTGGATGAAATGAGACAAAAG
GACCCAGTGAAAGGAATGACAGCAGATGACTAA

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Clone variation with respect to NM_006224.3
18 g=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006224 unedited
 GGCACTATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCCCGCGCGGC
 GCTGCGGAACCGGAGCTCCGGGCGGCGTCGGCAGCGGCGCGAGAGGCGACGAGGCCCGGG
 CCGCAGGAGCCGGCGCGGCCGACCCGCGGCGAGGGCGGCGGGGACGGAGCAGAGCACGACGA
 AGACGCACAGGCAGCCGGGCCGGGCCGGCCACGGGGAGAGCGGCCGGCGGGCAGCGGGC
 GGGAGGCCGGGCGGGCCGCGGCCAGCCACCGAGCCGCAAGCGACATGGTGTCTCAAG
 GAATATCGAGTAATCCTGCCTGTGTCTGTAGATGAGTATCAAGTGGGGCAGCTGTATTCT
 GTGGCTGAGGCCAGTAAAAATGAAACGGGTGGTGGCGAAGGCGTGGAGGTCCTGGTGAAT
 GAGCCCTACGAGAAGGACGGTGAGAAAAGGCCAGTACACACACAAGATCTACCCACCTGCAG
 AGCAAAGTACCCACGTTTGTTCGAATGCTGGCCCCAGAGGGAGCCCTGAATATACACGAG
 AAAGCCTGGAATGCTTACCCCTACTGCAGAACCCTTATTACAAATGAGTACATGAAAGAA
 GACTTTCTGATTAATAATGAAACCTGGCACANACCAGATCTTGGCACGCANGAGAATGTG
 CATAAGCTGGAGCCCTGAGCGTGGAAACACGCTGAAGCCGTATATATAGACATTGCAGAT
 CGAAGCCAAGTGCTCACCAGGGATACCAAGCAGAGGAAGACCCGCAAAATTAATCTATC
 AAAACAGGCCGAGGACCCTTGGCCCCACTNNGAGCAAGAGCTGTAACCCAAAGGACTGC
 CCTATTGTGTCATACAAACGGTGACCGTCAATCCAGTGTGGGGCTGCAACAATAAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006224 unedited
 CCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTCTGTGACACCAGACGGTC
 TATTTGTTACAATACTGAAGGGCATCTAGAATTAGCTACAGTAAGGAATCGAAAGTTGC
 CTGAAGAATGGGCACAGAACGGCTGCGTCCGAAAATGGCCTGTCACCTGGGAGGGTGGAG
 CTGCTGGGTCTTCTGTTGACCACTGTCTTGCAAAAAGTGCAGAGGGGAAAGCGGCTTT
 AGTCATCTGCTGCTCATTCTTTCACTGGGTCTTTTGTCTCATTTTCATCCAGCTGTCTCT
 TGGTCTCTTCTTCCATCCTTCAATGTCGTCCATGGTCAGGTCACCCACTTATCGAGCC
 AACAGAACAGCTGCCTGTGGAAGTTTGTAAACAGACGCCTCTCTTGTATGGATGAAGT
 TCTCCACTTTGTTCTGCAGGCCCCACCCTTGAACCTGACGGTCACCAAGTTTGTATGCAC
 ACATATATGGGCAGTCTCTGTTTACAAGCTCTTGCTTCCAATTGGGGCCCAAGGGTC
 CTCGGCCTGTTTTGATAGATTTAAATTTTGTGGGTCTTCTCTGCCTTGTAAATCCTTGC
 TGAGCACTTGGCTTCGATCTGCAATGTCTATATACGGCTTCCACGTGTTTCCACGCCT
 CNAGGCTCAGCTTATGCACATTTCTCTGCGTGCCAAGATCTGGNTTGTGCCANGTTTCAT
 TNTAATCAGAAAGTCTTCTTTTCATGTAATCTGTAATAACGGNTCTGCAGTAGGGGTA
 AGCATTCCANGCTTTCTCGTGTATATTACGGGCTCCNTCTGGGCCAGCATTGCAACAAC
 GTTGGTACTTTGCTCTGCAAGTGGTAGATCTGGGGGTGAACTGGCCTTTCTCACGTCTCT
 TCTCGTAGGGTCATT

Restriction Sites:

NotI-NotI

ACCN:

NM_006224

Insert Size:

1330 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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]