

Product datasheet for **SC117445**

PTTG1IP (NM_004339) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTTG1IP (NM_004339) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTTG1IP
Synonyms:	C21orf1; C21orf3; PBF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117445 sequence for NM_004339 edited (data generated by NextGen Sequencing)

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ATGGCGCCCGGAGTGGCCCGGGCCGACGCCGACTGGAGGTTGCGCCTCGGTGGCGCC
GCGCTGCTCCTGCTGCTCATCCCGGTGGCCGCGCAGGAGCCTCCCGGAGCTGCTTGT
TCTCAGAACACAAACAAAACCTGTGAAGAGTGCCTGAAGAACGTCTCCTGTCTTTGGTGC
AACTAACAAGGCTTGTCTGGACTACCCAGTTACAAGCGTCTTGCCACCGGCTCCCTT
TGTAATTGAGCTCTGCACGCTGGGGAGTTTGTGGGTGAACTTTGAGGCGCTGATCATC
ACCATGTCGGTAGTCGGGGGAACCCTCCTCGGGCATTGCCATCTGCTGCTGCTGCTGC
TGCAGGAGGAAGAGGAGCCGGAAGCCGGACAGGAGTGAGGAGAAGGCCATGCGTGAGCGG
GAGGAGAGGCGGATACGGCAGGAGGAACGGAGAGCAGAGATGAAGACAAGACATGATGAA
ATCAGAAAAAATATGGCCTGTTTAAAGAAGAAAACCCGTATGCTAGATTGAAAACAAC
TAA
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Clone variation with respect to NM_004339.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004339 unedited
 AATTTGGATTTGTAACCGACTTACTATAGGCGGCCGCGCAATTCGCACGAGGCGGCGCCG
 CGGCTGTTCCGGGCGGAGACCGCTTGTGCTGGAGTCGGAGTTGTAACGCTCCACTGACTG
 ATAGAGCGACCGGCCGACCATGGCGCCCGGAGTGGCCCGGGCCGACGCGCTACTGGAG
 GTTGCCCTCGGTGGCGCCGCGCTGCTCCTGCTGCTCATCCCGGTGGCCCGCGCAGGA
 CGCTCCCGGAGCTGCTTGTCTCAGAACAACAAAACCTGTGAAGAGTGCCTGAAGAA
 GCTCTCCTGTCTTTGGTGAACACTAACAAAGGCTTGTCTGGACTACCCAGTTACAAGCGT
 CTTGCCACCGGCTTCCCTTTGTAATTGAGCTCTGCACGCTGGGAGTTTGTGGGTGAA
 CTTTGAGCGCTGATCATCACCATGTCGGTAGTCGGGGAAACCCTCCTCCTGGGCATTGC
 CATCTGCTGCTGCTGCTGCTGCAGGAGGAAGAGGAGCCGGAAGCCGGACAGGAGTGAGGA
 GAAGGCCATGCGTGAGCGGGAGGAGAGGCGGATACGGCAGGAGGAACGGAGAGCAGAGAT
 GAAGACCAGACATGATGAAATCAGAAAAAATATGGCCTGTTTAAAGAAGAAAACCCGTA
 TGCTAGATTTGAAAACAACAAAGCGCTCCAGCACATCAGTCCCGACGCTCCTGTGAGG
 TGCACGCTCCGCAGCCCAGCCCAGCCGGGAGACCAGTGGCCATTGCGGTCTCCTGACCT
 TGGCCAGTGAACCTGCCAGCCTTCCAGGACAGGGCGCCGGAGAGCTGCCCTGAAGGACA
 GTCTCTGCTTTGCAGACTGGTGACNTCTATCCCTGGTCATCTCTGTTCTAGATTTA
 GCACTTGAATAAGAAATCTTTGGGGTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004339 unedited
 CCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 GGAGTAAACCGTTTTATTGGAACTGGTAAAAATTAAGGGACTCCAAGCTTTATGGGT
 CCTTGAGGTTACAGTTTTGGGGCTGCTCTTAATGGATTTCAAAAAAAGCAGATGGACGA
 AGACCGACCTTACAGACGTGGGTTTCTACTGAGCGCAAGGGCTGACTACTGTATTT
 CACAACCGAGCCCTAACGCCAGCTAACACCCTACGCTTAGGAAGCGGATTTGCACACA
 CACTACTGGATTCATACAGAGTTCACTGAAGTCTATTACCAAGTGTCTTTTATGAATAAA
 CAATACAAAGTCCAATTTTATGGCTGCTATAAAATACTTAAGAACTCTGCAACTTTT
 ACTACAAATACAAATGCCAAGAGGGCAGGGAAATCAGCCTGAAGAACTGGGTACAGGT
 CTATTTCTTTGGGAAATTTACAGCTAGGAATGTTATCCCGGGACAGATGTACACAGTCA
 AAAAGGCTTATCGAGCTGGTTGACGAGTCTTGAAGTGGTCTGGATCAGTGTGCTGCTG
 TGAACCTTATTTACGCTGAAGACAGGCTTCTCAGTTTTCATGACTGGGAAGTGTAAAA
 TGAACGCATCTGATCCTAAGGGCTGGTGACCTACTTTTCCAAGCAAATGGTTTTAA
 AATTAAGGGCATCTGGAACAGGAACTATTCCAACCTTTCTTAGCAGCACCTTTTCAGT
 GACTTTCCGCACGCTGTTTTCCCTGCCACGAGCGCTTGGTCTGGGTACTTAAACCCGGAT
 CCTGATTTACAAACCTGGGCGGGCAACAGTGCCTGGGAAGCTCCAAGAAGCCCTC
 AAAGGAATGGTGGACCCCTCTAACCAACGGCTGGGACCGG

Restriction Sites:

NotI-NotI

ACCN:

NM_004339

Insert Size:

2740 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_004339.2](#), [NP_004330.1](#)

RefSeq Size: 2737 bp

RefSeq ORF: 543 bp

Locus ID: 754

UniProt ID: [P53801](#)

Cytogenetics: 21q22.3

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a single-pass type I integral membrane protein, which binds to pituitary tumor-transforming 1 protein (PTTG1), and facilitates translocation of PTTG1 into the nucleus. Coexpression of this protein and PTTG1 induces transcriptional activation of basic fibroblast growth factor. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2013]
Transcript Variant: This variant (1) represents the predominant transcript and encodes the longer isoform (1).