

Product datasheet for RC235997

PTTG1IP (NM_001286822) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PTTG1IP (NM_001286822) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PTTG1IP
Synonyms: C21orf1; C21orf3; PBF
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235997 representing NM_001286822
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGCCCGGAGTGGCCCGGGCCGACGCCGTACTGGAGGTTGCGCCTCGGTGGCGCCGCGTGTCTCC
TGCTGCTCATCCCGGTGGCCGCGCAGGAGCCTCCCGAGCTGCTTGTCTCAGAACAACAAAACA
CTGTGAAGAGTGCCTGAAGAAGTCTCCGCTGTTTAAAGAAGAAAACCGTATGCTAGATTTGAAAACA
ACTAAAGCGCTCCAGCACATCAGTCCCAGCCTTCTGTGAGGTGCACGCTCCGACGCCAGCCAGCCG
GGAGACCAGTGGCCATTGCGGTCTCCTGACCTTGCCAGTGAACCTGCCAGCCTTCCAGGACAGGCGG
CGGAGAGCTGCCCTGAAGGACAGTCTCTCGTCTTGACACTGGTGACCTTCTATTCCCTGTTTCATCTC
TGTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235997 representing NM_001286822
Red=Cloning site Green=Tags(s)

MAPGVARGPTYWRLRLGGAALLLLIPVAAAQEPGGAACSQNTNKTCEECLKNVSACLKKKTRMLDLKT
TKALQHISPDASCEVHAPQPSPAGRPRGHCGLLTLASEPASLPGQAAGELPLKDSPLVLQTDLLFPVHL
CF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

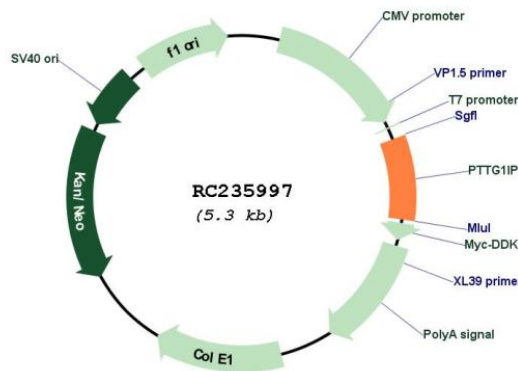


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001286822

ORF Size: 426 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:	<ol style="list-style-type: none">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:	<u>NM_001286822.1</u> , <u>NP_001273751.1</u>
RefSeq Size:	2515 bp
RefSeq ORF:	429 bp
Locus ID:	754
UniProt ID:	<u>P53801</u>
Cytogenetics:	21q22.3
Protein Families:	Druggable Genome, Transmembrane
MW:	15.3 kDa
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]