

Product datasheet for **SC318479**

PTIP (PAXIP1) (NM_007349) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTIP (PAXIP1) (NM_007349) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTIP
Synonyms:	CAGF28; CAGF29; PACIP1; PAXIP1L; PTIP; TNRC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318479 representing NM_007349. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGTCCGACCAGGCGCCCAAGTTCTGAGGAGATGTTCAAGGAGGTCAAGTATTACGGTGGCGCAG
ATCGACCCGAGGTTATTCAGCTTCTCAAGGCTGGAAAAGCGAAGGAAGTTTCTACAATGCACTAGCC
TCACACATAATCTCAGAGGATGGGACAATCCAGAGGTGGGAGAAGCTCGGAAGCTTTGACTTACCT
GTTGTAAAGCCTTCTGGGTGATTCTGTCCGTTCAAGTGTGGAAGTCTTCTGCCAGTAAATGGTTTTCT
CCAGAATCATGTCAGATTTTTTTTGAATCACTGCCTGCCTTTCTCAGGTGTCATCTGAAGACAGAAGT
GCCCTGTGGGCTTTGGTTACGTTCTATGGGGAGATTGCCAGCTAACCTCAATAAGAAATGCACGCAT
TTGATTGTTCCAGAGCCAAAGGGGAGAAATACGAATGTGCTTTAAAGCGAGCAAGTATTAATAATTGTG
ACTCCTGACTGGGTTCTGGATTGCGTATCAGAGAAAACCAAAAGGACGAAGCATTTTATCATCCTCGT
CTGATTATTTATGAAGAGGAAGAAGAGGAAGAGGAAGAGGAGGAGGAAGTAGAAAATGAGGAACAAGAT
TCTCAGAATGAGGGTAGTACAGATGAGAAGTCAAGCCCTGCCAGCTCTCAAGAAGGGTCTCCTTCAGGT
GACCAGCAGTTTTACCTAAATCCAACACTGAAAAATCTAAAGGGGAATTAATGTTTGATGATTCTTCA
GATTCATCACCGAAAAACAGGAGAGAAATTTAACTGGACCCCGGCCGAAGTCCCACAGTTAGCTGCA
GCAAAACGCAGGCTGCCTCAGGGAAGGAGCCTGGGTTGATTAAGTGTGCAATGTCCACCCGCTC
CCAGGTAACATTTGCCCCCTGAGGTCCGGGGTAATTTAATGGCTGCTGGACAAAACCTCAAAGTTCT
GAAAGATCAGAAATGATAGCTACCTGGAGTCCAGCTGTACGGACACTGAGGAATATTACTAATAATGCT
GACATTACGAGATGAACCGCCATCAAATGTAGCACATATCTTACAGACTCTTTCAGCACCTACGAAA
AATTTAGAACAGCAGGTGAATCACAGCCAGCAGGACATACAAATGCCAATGCAGTGCTGTTTAGCCAA
GTGAAAGTGACTCCAGAGACACATGCTACAGCAGCAGCAGGCCCAGCAGCAGCAGCAGCAGCAGCAGC
CCGTTTTACACCTTCAGCCCCAGCAGATAATGCAGCTCCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG
CAACCTTACCCCCAGCAGCCCGCATCCATTTTACAGCAACAGCAGCAGCAGCAGCAAGCCCATCCG
CATCAGTTTTACAGCAACAGCTACAGTTTCCACAGCAACAGTTGCATCTCCACAGCAGCTGCATCGC
CCTCAGCAGCAGCTCCAGCCCTTTCAGCAGCAGCATGCCCTGCAGCAGCAGTTCCATCAGCTGCAGCAG



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CACCAGCTCCAGCAGCAGCAGCTTGCCAGCTCCAGCAGCAGCAGCAGCCTGCTCCAGCAGCAGCAGCAA
 CAGCAGATTTCAGCAGCAGCAGCTCCAGCGCATGCACCAGCAGCAGCAGCAGCAGCAGATGCAAAGTCAG
 ACAGCGCCACACTTGAGTCAGACGTACAGGCGCTGCAGCATCAGGTTCCACCTCAGCAGCCCCCGAG
 CAGCAGCAGCAACAGCAGCCACCACCATCGCCTCAGCAGCATCAGCTTTTGGACATGATCCAGCAGTG
 GAGATTCCAGAAGAAGGCTTCTTATTGGGATGTGTGTTTGCAATTGCGGATTATCCAGAGCAGATGTCT
 GATAAGCAACTGCTGGCCACCTGGAAAAGGATAATCCAGGCACATGGCGGCACTGTTGACCCACCTTC
 ACGAGTCGATGCACGCACCTTCTCTGTGAGAGTCAAGTCAGCAGCGCATGCACAGGCAATAAGAGAA
 AGAAAGAGATGTGTTACTGCACACTGGTTAAACACAGTCTTAAAGAAGAAGAAAATGGTACCGCCGCAC
 CGAGCCCTTCACTTCCCAGTGGCCTTCCACCAGGAGGAAAGCCATGTTACAGCATATTATTTCTGTG
 ACTGGATTGTTGATAGTGACAGAGATGACCTAAAATTAATGGCTTATTTGGCAGGTGCCAAATATACG
 GGTTATCTATGCCGAGCAACACAGTCTCATCTGTAAAGAACCAACTGGTTTAAAGTATGAAAAAGCC
 AAAGAGTGGAGGATACCCTGTGTCAACGCCAGTGGCTTGGCGACATTCTTGGGAACTTTGAGGCA
 CTGAGGCAGATTAGTATAGTCGCTACACGGCATTAGTCTGCAGGATCCATTTGCCCTACCCAGCAT
 TTAGTTTTAAATCTTTAGATGCTTGGAGAGTCCCTTAAAGTGTCTGCAGAGTTGTTGATGAGTATA
 AGACTACCTCCAAACTGAAACAGAATGAAGTAGCTAATGTCCAGCCTTCTTCCAAAGAGCCAGAATT
 GAAGACGTACCACCTCCCACTAAAAGTAACTCCAGAATTGACCCCTTTGTGCTTTTCACTGGATTTC
 GAGCCTGTCCAGGTTCAACAGTATATTAAGAAGCTCTACATTCTTGGTGGAGAGGTTGCGGAGTCTGCA
 CAGAAGTGCACACACCTATTGCCAGCAAAGTGACTCGCACCGTGAAGTTCCTGACGGCGATTCTGTCT
 GTGAAGCAGATAGTGACGCCAGAGTGGCTGGAAGAATGCTTCAGGTGTCAGAAGTTCATTGATGAGCAG
 AACTACATTCTCCGAGATGCTGAGGCAGAACTACTTTCTCTTCAGCTTGAAGAATCCTTAAACGG
 GCACACGTTTCTCCACTCTTAAAGGCAAAATATTTTACATCACACCTGGAATCTGCCAAGTCTTTCC
 ACTATGAAGGCAATCGTAGAGTGTGCAGGAGGAAAGGTGTTATCCAAGCAGCCATCTTCCGGAAGTCTC
 ATGGAGCACAAGCAGAACTCGAGTTTGTGCGAAATAATTTAATATCCTGTGAAAATGACCTTCATTTA
 TGCCGAGAAATATTTTCCAGAGGCATAGATGTTACAATGCAGAGTTCGTTCTGACTGGAGTGCTCACT
 CAAACGCTGGACTATGAATCATATAAGTTTAAC**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

Sgfl-MluI

ACCN:

NM_007349

Insert Size:

3210 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_007349.3</u>
RefSeq Size:	3723 bp
RefSeq ORF:	3210 bp
Locus ID:	22976
UniProt ID:	<u>Q6ZW49</u>
Cytogenetics:	7q36.2
MW:	121.3 kDa
Gene Summary:	This gene is a member of the paired box (PAX) gene family and encodes a nuclear protein with six BRCT (breast cancer carboxy-terminal) domains. This protein plays a critical role in maintaining genome stability, condensation of chromatin and progression through mitosis. [provided by RefSeq, Jul 2008]