

Product datasheet for **SC309418**

PSMC3IP (NM_013290) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMC3IP (NM_013290) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSMC3IP
Synonyms:	GT198; HOP2; HUMGT198A; ODG3; TBPIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309418 representing NM_013290. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTAAAGGCCGGGCAGAAGCTGCGGCGGGAGCCGCCGGGATCCTCCTGAGGTACCTGCAGGAGCAG
AACCGGCCCTACAGCTCCAGGATGTGTTTCGGGAACCTACAGCGGGAACACGGACTGGCAAGCGGTG
GTGGTGAAGACGCTGGAGCAGCTGGCGCAACAAGCAAGATCAAAGAGAAGATGTACGGCAAGCAGAAG
ATCTATTTTGGGATCAGGACCAGTTTGCATGGTGAGTGATGCTGACCTCAAGTCCTAGATGGCAAA
ATCGTGGCCCTCACTGCTAAGGTGCAGAGCTTGCAGCAGAGCTGCCGCTACATGGAGGCTGAGATGCAG
AAAGAAATCCAGGAGTTAAGAAGGAATGCGCTGGCTACAGAGAGAGATTGAAGAACATTAAGCAGCT
ACCAATCATGTGACTCCAGAAGAGAAAGAGCAGGTGTACAGAGAGAGGCAGAAGTACTGTAAAGGAGTGG
AGGAAGAGGAAGAGGATGGCTACAGAGCTGTCTGATGCAATACTTGAAGGATACCCCAAGAGCAAGAAG
CAGTTCTTTGAGGAAGTTGGGATAGAGACGGATGAAGATTACAACGTCACACTCCCAGACCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_013290
Insert Size:	618 bp



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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).
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:	<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_013290.6</u>
RefSeq Size:	1440 bp
RefSeq ORF:	618 bp
Locus ID:	29893
UniProt ID:	<u>Q9P2W1</u>
Cytogenetics:	17q21.2
Protein Families:	Druggable Genome
MW:	23.6 kDa
Gene Summary:	<p>This gene encodes a protein that functions in meiotic recombination. It is a subunit of the PSMC3IP/MND1 complex, which interacts with PSMC3/TBP1 to stimulate DMC1- and RAD51-mediated strand exchange during meiosis. The protein encoded by this gene can also co-activate ligand-driven transcription mediated by estrogen, androgen, glucocorticoid, progesterone, and thyroid nuclear receptors. Mutations in this gene cause XX female gonadal dysgenesis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (1) uses an alternate in-frame splice site in the central coding region, compared to variant 2, resulting in an isoform (1) that is shorter than isoform 2.</p>