

## Product datasheet for **SC325477**

### PCOTH (NM\_001135816) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PCOTH (NM_001135816) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCOTH
Synonyms:	C1QTNF9B-AS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325477 representing NM_001135816. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGCTGCCAGAGGCTGGTCTCAGAGCTCAGCATCTTATCAAATTTAATGGGCACATCTGAAGAAGGA  
 AACTTGCTCAGCACCGTGAGCCCCACAGTGAAAGCACTTTTGGCAAGACTAGAGTCTCACCATTTC  
 CCTTCTCTCCTCGATCTCCTTCCAGCCTCTTATCCCCGACTCCTGGCTCACCCTGGGGCCCGTG  
 GGTCCAGCTTCTCCCTTGGGACCAGGCTTCCAATAGGGCCCATGGGGCCCGTAAACCAGTTGGGCC  
 AAAGGCCCAATGTTGCCCTTGGCCCTCAGGACCAGTGGGACCCACGTACCCTTATCCCTTCTGC  
 CCTGA  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001135816
Insert Size:	351 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).
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.


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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001135816.1</u>
<b>RefSeq Size:</b>	701 bp
<b>RefSeq ORF:</b>	351 bp
<b>Locus ID:</b>	542767
<b>Cytogenetics:</b>	13q12.12
<b>MW:</b>	11.9 kDa
<b>Gene Summary:</b>	<p>May be involved in growth and survival of prostate cancer cells through the TAF-Ibeta pathway.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2), also known as PCOTH-b, uses an alternate splice donor site at the end of exon 3 which puts an alternate translation initiation start site in frame. The resulting predicted protein (isoform 2) has a distinct N-terminus</p>