

Product datasheet for **SC116147**

PCID1 (EIF3M) (NM_006360) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCID1 (EIF3M) (NM_006360) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCID1
Synonyms:	B5; GA17; hfl-B5; PCID1; TANGO7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116147 sequence for NM_006360 edited (data generated by NextGen Sequencing)

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ATGAGCGTCCC GCCCTTCATCGACATCAGTGAAGAAGATCAGGCTGCTGAGCTTCGTGCT
TATCTGAAATCTAAAGGAGCTGAGATTT CAGAAGAGA AACTCGGAAGGTG GACTTCATGTT
GATTTAGCTCAAATTATTGAAGCCTGTGATGTGTCTGAAGGAGGATGATAAAGATGTT
GAAAGTGTGATGAACAGTGTGGTATCCCTACTCTTGATCCTGGAACCAGACAAGCAAGAA
GCTTTGATTGAAAGCCTATGTGAAAAGCTGGTCAAATTCGCGAAGGTGAACGCCCGTCT
CTGAGACTGCAGTTGTTAAGCAACCTTTCCACGGGATGGATAAGAATACTCCTGTAAGA
TACACAGTGTATTGCAGCCTTATTAAGTGGCAGCATCTTGTGGGGCCATCCAGTACATC
CCAAGTGGATCAAGTTAGAAAATGGATTTCTGACTGGAATCTCACCCTGAAAAA
AAGCACACCCTTTTAAGACTACTTTATGAGGCCTTGTGGATTGTAAGAAGAGTGATGCT
GCTTCAAAGTCAATGGTGGAAATGCTCGGAAGTTACACAGAGGACAATGCTTCCCAGGCT
CGAGTTGATGCCACAGGTGATTGTACGAGCATTGAAAGATCCAAATGCATTTCTTTTT
GACCACCTTCTTACTTTAAAACAGTCAAGTTTTTGAAGGCGAGCTTATTCATGATCTT
TTAACCATTTTTGTGAGTGCTAAATGGCATCATATGTCAAGTTTTATCAGAATAATAAA
GACTTCATTGATCACTTGGCCTGTTACATGAACAGAATATGGCAAAAATGAGACTACTT
ACTTTTATGGGAATGGCAGTAGAAAATAAGGAAATTTCTTTTGACACAATGCAGCAAGAA
CTTCAGATTGGAGCTGATGATGTTGAAGCATTGTTATTGACCGCGTAAGAACTAAAATG
GTCTACTGCAAAAATTGATCAGACCCAGAGAAAAGTAGTTGTCAGTCATAGCACACATCGG
ACATTTGGAAAACAGCAGTGGCAACAAGTATGACACACTTAATGCCTGGAAAACAAAAT
CTGAACAAAGTAAAAACAGCCTTTTGAGTCTTTCTGATACCTGA

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Clone variation with respect to NM_006360.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006360 unedited
 NNGGTAACGTACAAAATTGTATACGACTACTAAGGCGGCCGNAATTCGCACGAGGT
 GCGAGTGGAGTGTCCGCTGTGCCCGGCCCTGCACCATGAGCGTCCCGGCCTTCATCGACA
 TCAGTGAAGAAGATCAGGCTGCTGAGCTTCGTGCTTATCTGAAATCTAAAGGAGCTGAGA
 TTTCAGAAGAGAACTCGGAAGGTGGACTTCATGTTGATTTAGCTCAAATTATTGAAGCCT
 GTGATGTGTGTCTGAAGGAGGATGATAAAGATGTTGAAAGTGTGATGAACAGTGTGGTAT
 CCTACTCTTGATCTCTGGAACCAGACAAGCAAGAAGCTTTGATTGAAAGCCTATGTGAAA
 AGCTGGTCAAATTCGCGAAGGTGAACGCCGTCTCTGAGACTGCAGTTGTTAAGCAACC
 TTTTCCACGGGATGGATAAGAATACTCCTGTAAGATACACAGTGTATTGCAGCCTTATTA
 AAGTGGCAGCATCTTGTGGGGCCATCCAGTACATCCCAACTGAGCTGGATCAAGTTAGAA
 AATGGATTTCTGACTGGAATCTCACCAGTAAAAAAAGCACACCCCTTTTAAAGACTACTTT
 ATGAGGCACCTTGTGGATTGTAAGAAGAGTATGCTGCTTCAAAGTCATGGTGGAAATTGC
 TCGGAAGTTACACAGAGGACAATGCTTCCCAGGCTCGAGTTGATGCCACAGGTGATTG
 TACGAGCATTGAAAGATCCAATGCATTTCTTTTTGACCACCTTCTACTTTAAAACCAG
 TCAAGTTTTTGGAAAGCGAGCTTATTCATGATCTTTTAAACATTTTTGTGAGTGCTAAAT
 TGGCATCATATGTCAAGTTTTATCAGAATAATAAAGACTTCATTGATTCAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006360 unedited
 CGGCCGCAATCTAGNATCGAGTT
 TTTTTTTTTTTTTTTTTTGCCTTAAACAATGTTTTTAATGACCTAAAAAACTGGTC
 CCCGGGGGAAAAATCCCTAAAATTTTTCCGAAGGGTCAAATGGGGTTAAAAATAAAAAAAA
 CCCTTGCCCAAATAATCCCAAATGTCAACCACCTTTTTGGGTAAAGGGTTACCAAGG
 GTTTTTAATTTTTTTACTTTACCTTTTTTTTAAATTTCCAGGAAGTTTTTAAACCTC
 AAAAAAAACCTTAAAATGAAAAAGTTTTTAAACCCCTTTTTTAAAATTACCCCATAC
 AGGGGTTTGAAAACATGCCAACTTCCAAATTTTTCACTGCCCTTCTGTTTTTTAAACA
 TGGGGTTTTGAACCTGGGGGAAACCTTAAGTTTTAAAGGGGGTTTTTGGCCCTTTT
 CTTTAGTTTTTTTTAAAGATTTTGAAAATTTCTTCTTAAGCCTCCCTTCCCATTGG
 ATACTTTTTTGGGGCCAAACTTCTAAGGGGGGGAAATCACCCAAAAAGGGGGGTTT
 ACCCCATACTCATAACTGGAGAGGGTTACAACTTTTTAAAATCTTTTGTATAAATAAT
 TCGAAGGGAAAAATTAGTTTATCTTTCCAGGTGAAAACAAAGCCTTTGATTAACCTCA
 CTACAAAGCCCTTTGCAGGCAATCAAGACCACTAAAAATCTTTTGGTGAATGAAGACTG
 GCAAAACCTCCTTTTCAATTCACTAAATAAAAGGGGAAATTTCTAGTTTATAAATGAC
 CCCCCGCCAAAAAAGAAAGCCGAAAGCACTTGAAAAAAACACCGATAAAAAATTGTG
 ATAAGGCTTTTCGAGGGAATATTGAACTGAATTCTGGTTAGTTTTACTAAATAAAAGACG
 GTGATTAAGTCTCCAGTTTGGCTTGCTTTC

Restriction Sites:

NotI-NotI

ACCN:

NM_006360

Insert Size:

2670 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](#)

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_006360.3](#), [NP_006351.2](#)

RefSeq Size: 1259 bp

RefSeq ORF: 1125 bp

Locus ID: 10480

UniProt ID: [Q7L2H7](#)

Cytogenetics: 11p13

Domains: PCI

Gene Summary: This gene encodes a protein that is part of the eukaryotic translation initiation factor 3 complete (eIF-3) required for protein synthesis. Elevated levels of the encoded protein are present in cancer cell lines. Inactivation of the encoded protein has been shown to interfere with translation of herpes virus mRNAs by preventing the association of mRNAs with the ribosomes. A pseudogene of this gene is located on the X chromosome. [provided by RefSeq, Dec 2011]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).