

## Product datasheet for **RG205694**

### PCID1 (EIF3M) (NM\_006360) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PCID1 (EIF3M) (NM_006360) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PCID1
Synonyms:	B5; GA17; hfl-B5; PCID1; TANGO7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205694 representing NM_006360 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCGTCCCGCCTTCATCGACATCAGTGAAGAAGATCAGGCTGCTGAGCTTCGTGCTTATCTGAAAT  
CTAAAGGAGCTGAGATTTAGAAAGAGAACTCGAAGGTGGACTTCATGTTGATTTAGCTCAAATTATTGA  
AGCCTGTGATGTGTGTCTGAAGGAGGATGATAAAGATGTTGAAAGTGTGATGAACAGTGTGGTATCCCTA  
CTCTTGATCCTGGAACCAGACAAGCAAGAAGCTTTGATTGAAAGCCTATGTGAAAAGCTGGTCAAATTTCC  
GGAAGGTGAACGCCCTCTCTGAGACTGCAGTTGTTAAGCAACCTTTCCACGGGATGGATAAGAATAC  
TCCTGTAAGATACACAGTGTATTGCAGCCTTATTAAAGTGGCAGCATCTTGTGGGCCATCCAGTACATC  
CCAACTGAGCTGGATCAAGTTAGAAAATGGATTTCTGACTGGAATCTCACCAGTAAAAAAGCACACCC  
TTTTAAGACTACTTTATGAGGCCTTGTGGATTGTAAGAAGAGTGATGCTGCTTCAAAGTCATGGTGGAA  
ATTGCTCGGAAGTTACACAGAGGACAAATGCTTCCCAGGCTCGAGTTGATGCCACAGGTGTATTGTACGA  
GCATTGAAAGATCCAAATGCATTTCTTTTGGACCCTTCTACTTTAAAACAGTCAAGTTTTTGGGAA  
GCGAGCTTATTCATGATCTTTAACCATTTTGTGAGTGTCTAAATGGCATCATATGTCAAGTTTTATCA  
GAATAATAAAGACTTCATTGATTCAGTGGCCTGTTACATGAACAGAATATGGCAAAAATGAGACTACTT  
ACTTTTATGGGAATGGCAGTAGAAAATAAGGAAATTTCTTTTGGACACAATGCAGCAAGAATTCAGATTG  
GAGCTGATGATGTTGAAGCATTGTTATTGACCGCGTAAGAAGTAAAATGGTCTACTGCAAAAATTGATCA  
GACCCAGAGAAAAGTAGTTGTCAGTCATAGCACACATCGACATTTGGAAAACAGCAGTGGCAACAACCTG  
TATGACACACTTAATGCCTGAAAACAAAATCTGAACAAAGTAAAAACAGCCTTTTGAGTCTTTCTGATA  
CC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205694 representing NM\_006360  
 Red=Cloning site Green=Tags(s)

MSVPAFIDISEEDQAAELRAYLKSKGAEISEENSEGGLHVDLAQIEACDVCLKEDDKDVESVMNSVVSL  
 LLILEPDKQEALIESLCEKLVKFREGERPSLRQLLSNLFHGMKNTPVRYTVYCSLIKVAASCGAIQYI  
 PTELDQVRKVISDWNLTTEKKHTLLRLLYEALVDCKKSDAASKVMVELLSYTEDNASQARVDAHRCIVR  
 ALKDPNAFLFDHLLTLKPKVFLFEGELIHDLLTIFVSAKLASYVKFYQNNKDFIDSLGLLHEQNMAMRLL  
 TFMGMAVENKEISFDTMQQELQIGADDVEAFVIDAVRTKMVYCKIDQTQRKVVVSHSTHRTFGKQQWQQL  
 YDTLNAWKQNLNKVKNLSLLSLSDT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_006360

**ORF Size:** 1122 bp

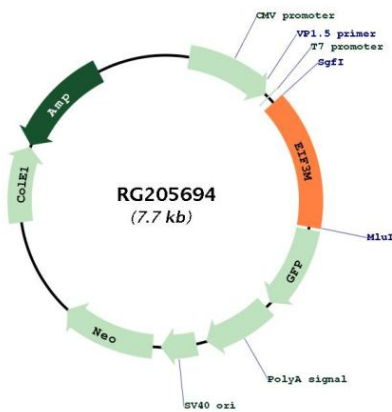
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of 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](mailto: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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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>	<a href="#">NM_006360.6</a>
<b>RefSeq Size:</b>	1259 bp
<b>RefSeq ORF:</b>	1125 bp
<b>Locus ID:</b>	10480
<b>UniProt ID:</b>	<a href="#">Q7L2H7</a>
<b>Cytogenetics:</b>	11p13
<b>Domains:</b>	PCI
<b>Gene Summary:</b>	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]

### Product images:



Circular map for RG205694