

Product datasheet for **RC205694**

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:	Myc-DDK
Symbol:	PCID1
Synonyms:	B5; GA17; hfl-B5; PCID1; TANGO7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205694 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCGTCCCGCCTTCATCGACATCAGTGAAGAAGATCAGGCTGCTGAGCTTCGTGCTTATCTGAAAT
CTAAAGGAGCTGAGATTCAGAAGAGAAGTTCGGAAGGTGGACTTCATGTTGATTTAGCTCAAATTATTGA
AGCCTGTGATGTGTGCTGAAGGAGGATGATAAAGATGTTGAAAGTGTGATGAACAGTGTGGTATCCCTA
CTCTTGATCCTGGAACAGACAAGCAAGAAGCTTTGATTGAAAGCCTATGTGAAAAGCTGGTCAAATTTCC
GCGAAGGTGAACGCCCTCTCTGAGACTGCAGTTGTTAAGCAACCTTTCCACGGGATGGATAAGAATAC
TCCTGTAAGATACACAGTGTATTGCAGCCTTATTAAAGTGGCAGCATCTTGTGGGCCATCCAGTACATC
CCAAGTGAAGTCAAGTTAGAAAATGGATTCTGACTGGAATCTCACCAGTAAAAAAGCACACCC
TTTTAAGACTACTTTATGAGGCCTTGTGGATTGTAAGAAGAGTGTGCTGCTTCAAAGTCATGGTGGGA
ATTGCTCGGAAGTTACACAGAGGACAAATGCTTCCCAGGCTCGAGTTGATGCCACAGGTGTATTGTACGA
GCATTGAAAGATCCAAATGCATTTCTTTTGGACCCTTCTACTTTAAAACAGTCAAGTTTTTGGGAA
GCGAGCTTATTCATGATCTTTAACCATTTTGTGAGTGTAAATGGCATCATATGTCAAGTTTTATCA
GAATAATAAAGACTTCATTGATTCATCTGGCCTGTTACATGAACAGAATATGGCAAAAATGAGACTACTT
ACTTTTATGGGAATGGCAGTAGAAAATAAGGAAATTTCTTTTGGACACAATGCAGCAAGAATTCAGATTG
GAGCTGATGATGTTGAAGCATTGTTATTGACCGCGTAAGAAGTAAAATGGTCTACTGCAAAAATGATCA
GACCCAGAGAAAAGTAGTTGTCAGTCATAGCACACATCGACATTTGGAAAACAGCAGTGGCAACAACCTG
TATGACACACTTAATGCCTGAAAACAAAATCTGAACAAAGTAAAAACAGCCTTTTGTGCTTTTCTGATA
CC

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205694 protein sequence
 Red=Cloning site Green=Tags(s)

MSVPAFIDISEEDQAAELRAYLKSKGAEISEENSEGGLHVDLAIIEACDVCLKEDDKDVESVMNSVVSL
 LLILEPDKQEALIESLCEKLVKFRGERPSRLQLLSNLFHGMKNTPVRYTVYCSLIKVAASCGAIQYI
 PTELDQVRKVISDWNLTTEKKHTLLRLLYEALVDCKKSDAASKVMVELLSYTEDNASQARVDAHRCIVR
 ALKDPNAFLFDHLLTLKPVKFLEGELEIHDLLTIFVSAKLASYVKFYQNNKDFIDSLGLLHEQNMAKMRL
 LTFMGMAVENKEISFDTMQQELQIGADDVEAFVIDAVRTKMVYCKIDQTRKRVVSHSTHRTFGKQQWQQL
 YDTLNAWKQNLNKVKNLSLLSLSDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6063_h09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006360

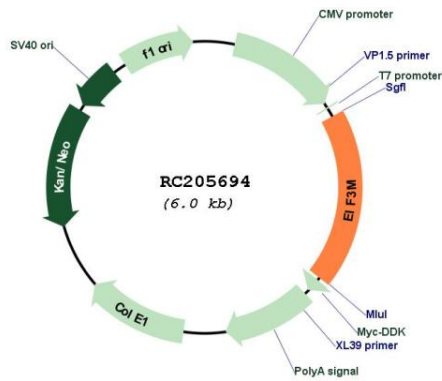
ORF Size: 1122 bp

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 or by calling 301.340.3188 option 3 for pricing and delivery.

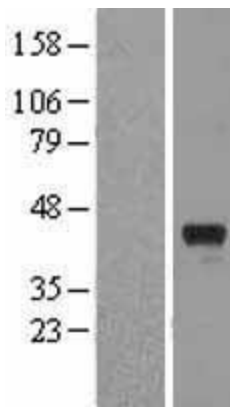
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
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:	NM_006360.6
RefSeq Size:	1338 bp
RefSeq ORF:	1125 bp
Locus ID:	10480
UniProt ID:	Q7L2H7
Cytogenetics:	11p13
Domains:	PCI
MW:	42.5 kDa
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]

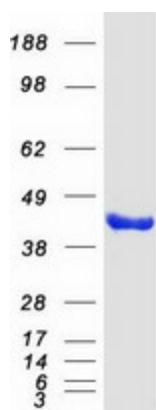
Product images:



Circular map for RC205694



Western blot validation of overexpression lysate (Cat# [LY416700]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205694 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EIF3M protein (Cat# [TP305694]). The protein was produced from HEK293T cells transfected with EIF3M cDNA clone (Cat# RC205694) using MegaTran 2.0 (Cat# [TT210002]).