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Product datasheet for RC229369

CMIP (NM_198390) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CMIP (NM_198390) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CMIP
Synonyms:	TCMIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC229369 representing NM_198390
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATGTGACCAGCAGCTCGGGCGGCGGCGGCGACCCCCGGCAGATCGAGGAGACCAAGCCGCTGCTGG
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GGTGGTCATCGAGGTGTTCACCCCCGTGGTGCAGCGAATCCTCAAGCATAACATGGACTTTGGGAAGTGC
CCGCGACTGAGGCTGTTTACTCAGGAGTACATCCTTGCCTTGAACGAGCTCAACGCGGGGATGGAAGTGG
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GTTTGCTGAGCTCCGGCTCCTTCGGAAACCTGGAGAACCTCAGTTTGGCCTTCACCAATGTAACCAGTGC
CTGCGCCGAGCACCTCATCAAACTGCCTTCGCTCAAGCAGCTGAACCTGTGGTCCACTCAGTTTGGAGAC
GCTGGCCTTCGGCTCCTGTCGGAACACCTCACCATGCTCCAGGTGCTGAACCTGTGCGAGACCCCGGTCA
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CTCAGCTGACACCTACGAAGATCTGAAGGCCAAGCTTCCCAATTTGAAGGAAGTGGACGTCCGCTACACC
GAAGCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC229369 representing NM_198390
Red=Cloning site Green=Tags(s)

MDVTSSSGGGGDPRQIEETKPLLGGDVSAPEGTKMGAVPCRRALLLCNGMRYKLLQEGDIQVCVIRHPRT
FLSKILTSKFLRRWEPHHLTLADNSLASATPTGYMENSVSYSAIEDVQLLSWENAPKYCLQLTIPGGTVL
LQAANSYLRDQWFHSLQWKKKIYKYKKVLSNPSRWEVVLKEIRTLVDMALTSPLQDDSINQAPLEIVSKL
LSENTNLTTQEHENIIVAIAPLLENNHPPPDLCEFFCKHCRERPRSMVVIEVFTPVVQRILKHNMDFGKC
PRLRLFTQEYILALNELNAGMEVVKKFIQSMHGPTGHCPHPRVLPNLVAVCLAAIYSCYEEFINSRDNSP
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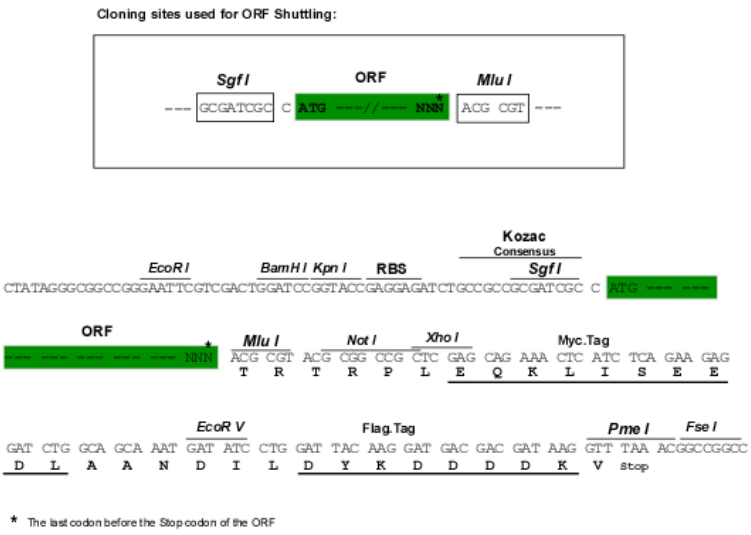
GNDSEPNLIDCLMVSPACSTMSIELGPQADRTLGCYVEILKLLSDYDDWRPSLASLLQPIPFPKEALAHE
KFTKELKYVIQRFAEDPRQEVHSCLLSVRAGKDGWFQLYSPGGVACDDDGELFASMVHILMGSCYKTKKF
LLSLAENKLGPCMLLALRGNQTMVEILCLMLEYNIIDNNDTQLQIISTLESTDVGKRMYEQLCDRQRELK
ELQRKGGPTRLTLPSKSTDADLARLLSSGSFGNLENLSLAFTNVTSACAEHLIKLPSLKQLNLWSTQFGD
AGLRLLSEHLTMLQVLNLCETPVTDAGLLALSSMKSLCSLNMNSTKLSADTYEDLKAKLPNLKEVDVRYT
EAW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8035_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_198390
ORF Size:	2319 bp
OTI Disclaimer:	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: 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_198390.2, NP_938204.2

RefSeq ORF: 2322 bp

Locus ID: 80790

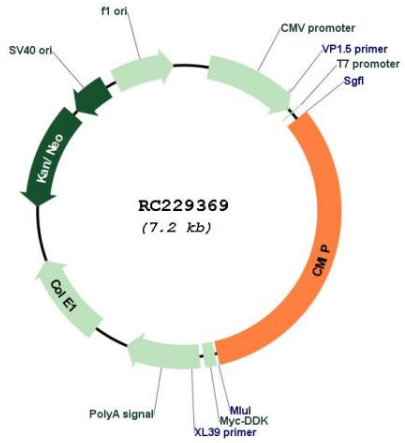
UniProt ID: Q8IY22

Cytogenetics: 16q23.2-q23.3

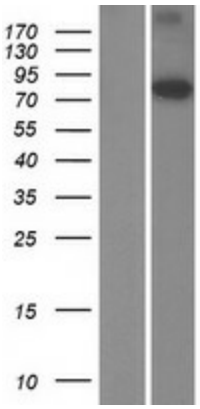
MW: 86.2 kDa

Gene Summary: This gene encodes a c-Maf inducing protein that plays a role in T-cell signaling pathway. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

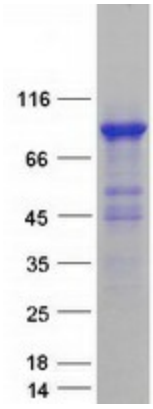
Product images:



Circular map for RC229369



Western blot validation of overexpression lysate (Cat# [LY432383]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229369 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CMIP protein (Cat# [TP329369]). The protein was produced from HEK293T cells transfected with CMIP cDNA clone (Cat# RC229369) using MegaTran 2.0 (Cat# [TT210002]).