

Product datasheet for **RC227248**

MAP3K12 binding inhibitory protein 1 (MBIP) (NM_001144891) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K12 binding inhibitory protein 1 (MBIP) (NM_001144891) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAP3K12 binding inhibitory protein 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227248 representing NM_001144891 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTGCCACGGAGCATAATCGCCCCGAGCAGCGGTGACAGGAACCTGGAGCGAAGATGCAGCCCCA
ACCTCTCCCGAGAGGTGCTCTACGAAATCTTCGCTCCCTACACACCCTGGTTGGACAGCTTGACCTCAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC227248 representing NM_001144891
 Red=Cloning site Green=Tags(s)

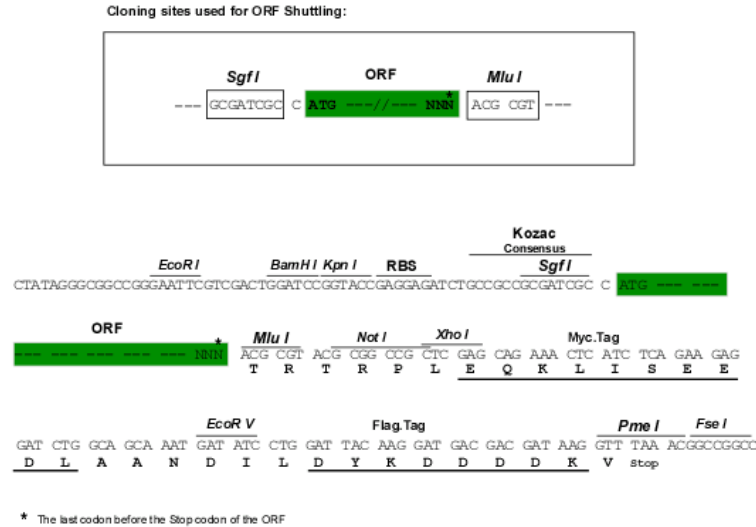
MAAATEHNRPSGDRNLERRCSPNLSREVLVEIFRSLHTLVGQLDLRDDVVKITIDWNKLQSLSAFQPAL
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 TQIHFDPEVVQIKAGKAEIDRRISAFIERKQAEINENNREFCNVIDCNQENSCARTDAIFTPYPGFKSH
 VKYSRVVYTYGPQTRPEGIPSGHKNPNSMLRDCGNQAVEERLQNI EAHLRLQTGGPVPRDIYQRIKKLED
 KILELEGISPEYFQSVSFSGKRRKVQPPQNYSLAELEKISALKQALLRKSREAESMATHHLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1484_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001144891

ORF Size: 1032 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq ORF: 1032 bp

Locus ID: 51562

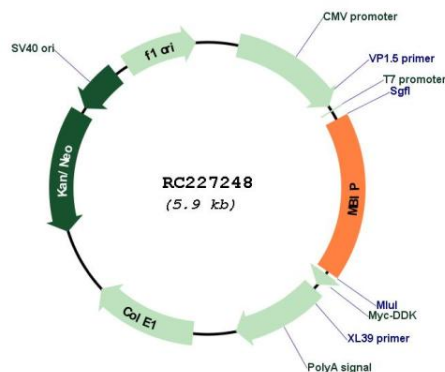
UniProt ID: [Q9NS73](#)

Cytogenetics: 14q13.3

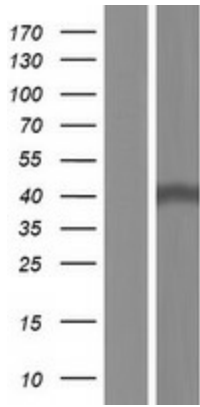
MW: 39 kDa

Gene Summary: Inhibits the MAP3K12 activity to induce the activation of the JNK/SAPK pathway. Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227248



Western blot validation of overexpression lysate (Cat# [LY428551]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227248 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).