

Product datasheet for **RG202668**

MAP3K12 binding inhibitory protein 1 (MBIP) (NM_016586) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MAP3K12 binding inhibitory protein 1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202668 representing NM_016586
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCTGCTGCCACGGAGCATAATCGCCCGAGCAGCGGTGACAGGAACCTGGAGCGAAGATGCAGCCCCA
ACCTCTCCCGAGAGGTGCTCTACGAAATCTTTCGCTCCCTACACACCTGGTTGGACAGCTTGACCTCAG
AGATGATGTGGTGAATTAACAATCGATTGGAACAAGCTCCAGAGCCTCTCGGCATTCCAGCCTGCATTG
CTCTTTAGTCACTTGAACAACACATTTTATTTACAGCCTTTTTAGCAAACTTCAGCTCCTCGATTA
AAGAGGAGAATACAATGCTGTTGAAGAGATAGGAAGAACAGAAATGGGGAACAAAATGAAGTAAATGA
CAAAATTTCCATTGGCGACCTACAAGAGGAAGAAAGCACAAGAAAGTGATTTAAGAGATGTGAAAAAG
ACACAGATCCATTTTGATCCAGAAGTAGTTCAGATAAAGGCTGGAAAAGCAGAAATTGACAGACGAATAT
CTGCATTTATTGAAAGAAAGCAAGCTGAAATCAATGAAAACAACGTCAGGGAATTTTGAATGTTATCGA
TTGTAATCAAGAAAATAGTTGTGCAAGAACTGATGCGATTTTACCCCTTACCCCGGATTTAAAGTCAC
GTAAAAGTTTCTAGAGTTGTGTATACATACGGACCACAGACTAGACCTGAAGGAATTCAGGGTCAGGTC
ATAAACCTAACAGCATGCTTCGAGACTGTGGTAATCAGGCTGTAGAAGAACGACTACAAAATATTGAGGC
CCACTTGCGGTTACAGACAGGTGGTCCAGTGCCAAGAGACATTTATCAGAGAATTAATAAATTGAGGAT
AAATCCTTGAATTGGAAGGCATCTCCCTGAATTTTTCAGTCTGTAAGCTTTTCTGGAAGAAAGAA
AAGTTCAACCACCTCAACAGAACTATTCTGCTGAACTTGTAGAGAAATTAGTGCCCTCAACAAGC
CCTCCTCAGAAAATCAAGAGAAGCAGAATCCATGGCAACCCACCACCTCCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG202668 representing NM_016586
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MAAATEHNRPSGDRNLERRCSPNLSREVLVEIFRSLHTLVGQLDLRDDVVKITIDWNKLQSLSAFQPAL
 LFSALEQHILYLQPFLLAKLQSPIKEENTTAVEEIGRTEMGNKNEVNDKFSIGDLQEEKHKESDLRDVKK
 TQIHFDPEVVQIKAGKAEIDRRISAFIERKQAEINENNVRFCNVIDCNQENSCARTDAIFTPYPGFKSH
 VKVSRVVYTYGPQTRPEGIPGSGHKPNSMLRDCGNQAVEERLQNIHAHLRLQTGGPVPRDIYQRIKKLED
 KILELEGISPEYFQSVSFGKRRRKVQPPQQNYSLAELDEKISALKQALLRKSREAESMATHHLP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016586

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: [NM_016586.1](#), [NP_057670.1](#)

RefSeq Size: 1623 bp

RefSeq ORF: 1035 bp

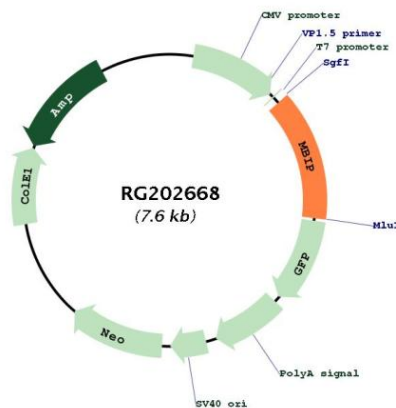
Locus ID: 51562

UniProt ID: [Q9NS73](#)

Cytogenetics: 14q13.3

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 RG202668