

Product datasheet for **RG227248**

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:	TurboGFP
Symbol:	MAP3K12 binding inhibitory protein 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227248 representing NM_001144891 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTGCCACGGAGCATAATCGCCCCGAGCAGCGGTGACAGGAACCTGGAGCGAAGATGCAGCCCCA
ACCTCTCCCGAGAGGTGCTCTACGAAATCTTCGCTCCCTACACACCTGGTTGGACAGCTTGACCTCAG
AGATGATGTGGTAAAAATTACAATCGATTGGAACAAGCTCCAGAGCCTCTCGGCATTCCAGCCTGCATTG
CTCTTTAGTGCACTTGAACAACACATTTATTTACAGCCTTTTTAGCAAACTTCAGTCTCCGATTA
AAGAGGAGAATACAACCTGCTGTTGAAGAGATAGGAAGAAGCAAAATGGGGAACAAAAATGAAGTAAATGA
CAAATTTTCCATTGGCGACCTACAAGAGGAAGAAAGCAGAAAGAAAGTGATTTAAGAGATGTGAAAAAG
ACACAGATCCATTTTGATCCAGAAGTAGTTCAGATAAAGGCTGGAAAAGCAGAAATTGACAGACGAATAT
CTGCATTTATTGAAAGAAAGCAAGCTGAAATCAATGAAAACAACGTCAGGGAATTTGCAATGTTATCGA
TTGTAATCAAGAAATAGTTGTGCAAGAACTGATGCGATTTTACCCCTTACCCCGGATTTAAAGTCAC
GTAAAAGTTTCTAGAGTTGTGTATACATACGACCACAGACTAGACCTGAAGGAATTCAGGGTCAGGTC
ATAAACCTAACAGCATGCTTCGAGACTGTGTAATCAGGCTGTAGAAGAACGACTACAAAATATTGAGGC
CCACTTGGCGTTACAGACAGGTGGTCCAGTGCCAAGAGACATTTATCAGAGAATAAAAAACTTGAGGAT
AAAATCCTTGAATTGGAAGGCATCTCCCTGAATATTTTCAGTCTGTAAGCTTTTCTGAAAAAGAAGAA
AAGTTCAACCACCTCAACAGAACTATTCAGTGGCTGAACTTGATGAGAAAATTAGTGCCCTCAAACAAGC
CCTCTCAGAAAATCAAGAGAAGCAGAATCCATGGCAACCCACCTCCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227248 representing NM_001144891
 Red=Cloning site Green=Tags(s)

MAAATEHNRPSGDRNLERRCSPNLSREVLVEIFRSLHTLVGQLDLRDDVVKITIDWNKLQSLSAFQPAL
 LFSALEQHILYLQPFLLAKLQSPIKEENTAVEEIGRTEMGNKNEVNDKFSIGDLQEEKHKESDLRDVKK
 TQIHFDPEVVQIKAGKAEIDRRISAFIERKQAEINENNVREFCNVIDCNQENSCARTDAIFTPYPGFKSH
 VKYSRVVYTYGPQTRPEGIPSGHKNPNSMLRDCGNQAVEERLQNI EAHLRLQTGGPVPRDIYQRIKKLED
 KILELEGISPEYFQSVSFSGKRRKVQPPQNYSLAELDEKISALKQALLRKSREAESMATHHLP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



ACCN: NM_001144891

ORF Size: 1029 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_001144891.1](#), [NP_001138363.1](#)

RefSeq Size: 1658 bp

RefSeq ORF: 1032 bp

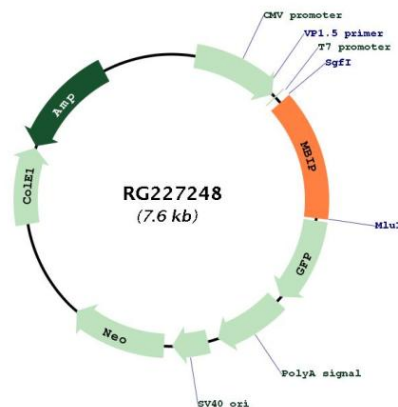
Locus ID: 51562

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 RG227248