

Product datasheet for SC324970

MAP3K12 binding inhibitory protein 1 (MBIP) (NM_001144891) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K12 binding inhibitory protein 1 (MBIP) (NM_001144891) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAP3K12 binding inhibitory protein 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324970 representing NM_001144891. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGCTGCTGCCACGGAGCTTAATCGCCCGAGCAGCGGTGACAGGAACCTGGAGCGAAGATGCAGACCC
 AACCTCTCCCGAGAGGTGCTCTACGAAATCTTTCGCTCCCTACACACCCTGGTTGGACAGCTTGACCTC
 AGAGATGATGTGGTGAATTAACAATCGATTGGAACAAGCTCCAGAGCCTCTCGGCATTCCAGCCTGCA
 TTGCTCTTTAGTGCATTGAACAACACATTTTATTTACAGCCTTTTTAGCAAACTTCAGTCTCCG
 ATTAAGAGGAGAATACAACCTGCTGTTGAAGAGATAGGAAGAACAGAAATGGGGAACAAAATGAAGTA
 AATGACAAATTTCCATTGGCGACCTACAAGAGGAAGAAAGCACAAGAAAGTGATTTAAGAGATGTG
 AAAAAGACACAGATCCATTTTGATCCAGAAGTAGTTTCAGATAAAGGCTGGAAAAGCAGAAATTGACAGA
 CGAATATCTGCATTTATTGAAAGAAAGCAAGCTGAAATCAATGAAAACAACGTCAGGGAATTTTGAAT
 GTTATTGATTGTAATCAAGAAATAGTTGTGCAAGAACTGATGCGATTTTACCCTTACCCCGGATTT
 AAAAGTCACGTAAGTTTCTAGAGTTGTGAATACATACGACCACAGACTAGACCTGAAGGAATTCCA
 GGGTCAGGTCAAAACCTAACAGCATGCTTCGAGACTGTGTAATCAGGCTGTAGAAGAACGACTACAA
 AATATTGAGGCCACTTGCGGTTACAGACAGGTGGTCCAGTGCCAAGAGACATTTATCAGAGAATTA
 AAATTTGAGGATAAAATCCTTGAATTGGAAGGCATCTCTCCTGAATTTTTCAGTCTGTAAGCTTTTCT
 GGAAAAAGAAGAAAGTTCAACCACTCAAACTATTCACTGGCTGAACCTTGATGAGAAATTAGTGCC
 CTCAACAAGCCCTCTCAGAAATCAAGAGAAGCAGAAATCCATGGCAACCCACCACTTCCATGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001144891
Insert Size:	1032 bp


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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001144891.1</u>
RefSeq Size:	1658 bp
RefSeq ORF:	1032 bp
Locus ID:	51562
UniProt ID:	<u>Q9NS73</u>
Cytogenetics:	14q13.3
MW:	39.2 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] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The encoded protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1.