

Product datasheet for SC114183

MAP3K12 binding inhibitory protein 1 (MBIP) (NM_016586) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K12 binding inhibitory protein 1 (MBIP) (NM_016586) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAP3K12 binding inhibitory protein 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114183 sequence for NM_016586 edited (data generated by NextGen Sequencing) <pre> ATGGCTGCTGCCACGGAGCATAATCGCCCGAGCAGCGGTGACAGGAACCTGGAGCGAAGA TGCAGCCCCAACCTCTCCCGAGAGGTGCTCTACGAAATCTTTCGCTCCCTACACACCCTG GTTGGACAGCTTGACCTCAGAGATGATGTGGTGAATAACAATCGATTGGAACAAGCTC CAGAGCCTCTCGGCATTCCAGCCTGCATTGCTCTTTAGTGCACTTGAACAACACATTTTA TATTTACAGCCTTTTTAGCAAACTTCAGTCTCCGATTAAAGAGGAGAAATACAAGTCT GTTGAAGAGATAGGAAGAACAGAAATGGGGAACAAAAATGAAGTAAATGACAAATTTTCC ATTGGCGACCTACAAGAGGAAGAAAAGCACAAGAAAGTGATTTAAGAGATGTGAAAAAG ACACAGATCCATTTTATCCAGAAAGTAGTTCAGATAAAGGCTGGAAAAGCAGAAATTGAC AGACGAATATCTGCATTTATTGAAAGAAAGCAAGCTGAAATCAATGAAAACAACGTCAGG GAATTTTGCAATGTTATTGATTGTAATCAAGAAAATAGTTGTGCAAGAAGTATGCGATT TTTACCCCTTACCCCGGATTTAAAAGTCACGTAAAAGTTCTAGAGTTGTGAATACATAC GGACCACAGACTAGACCTGAAGGAATCCAGGGTCAGGTCATAAACCTAACAGCATGCTT CGAGACTGTGGTAATCAGGCTGTAGAAGACGACTACAAAATATTGAGGCCCACTTGCGG TTACAGACAGGTGGTCCAGTGCCAAGAGACATTTATCAGAGAATAAAAAACTTGAGGAT AAAATCCTTGAATTGGAAGGCATCTCTCCTGAATATTTTCAGTCTGTAAGCTTTTCTGGA AAAAGAAGAAAAGTTCAACCACTCAACAGAACTATTCAGTGGCTGAACTTGATGAGAAA ATTAGTGCCCTCAAACAAGCCCTCCTCAGAAAATCAAGAGAAGCAGAATCCATGGCAACC CACCACCTTCCATGA </pre> Clone variation with respect to NM_016586.2 20 t=>a;66 a=>c



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016586 unedited ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGAGAAGATTTATGGCTGCTGC CACGGAGCATAATCGCCCGAGCAGCGGTGACAGGAACCTGGAGCGAAGATGCAGCCCCAA CCTCTCCCGAGAGGTGCTCTACGAAATCTTTCGCTCCCTACACACCCTGGTTGGACAGCT TGACCTCAGAGATGATGTGGTGAATTTACAATCGATTGGAACAAGCTCCAGAGCCTCTC GGCATTCCAGCCTGCATTGCTCTTTAGTGCATTGAACAACACATTTTATATTTACAGCC TTTTTTAGCAAACTTCAGTCTCCGATTAAAGAGGAGAATACAACCTGCTGTTGAAGAGAT AGGAAGAACAGAAATGGGGAACAAAAATGAAGTAAATGACAAATTTCCATTGGCGACCT ACAAGAGGAAGAAAAGCACAAGAAAGTGATTTAAGAGATGTGAAAAAGACACAGATCCA TTTTGATCCAGAAGTAGTTCAGATAAAGGCTGGAAGAGCAGAAATTGACAGACGAATATC TGCATTTATTGAAAGAAAGCAAGCTGAAATCAATGAAACAACGTCAGGGAATTTTGCAA TGTTATTGATTGTAATCAAGAAATAGTTGTGCAAGAACTGATGCGATTTTACCCCTTA CCCCGATTTAAAGTCACGTAAAAGTTTCTAGAGTTGTGAATACATACGACCACAGAC TAGACCTGANGGATTCCAGGNTCANGTCATANACCTAACAGCATGCTTCGAGACTGTGGT AATCAGGCTGTAGAAGACGACTACAATATTGAGGCCACTTGCNTACAGACAGGTGGTC CAGTGCCAGAGACATTATCAGAGATTAATACTTGAATAAATCCCTGAATGGAAGGCAC TCTCTGATATTTTCATCTGTAAGCTTTCTGAAAGAAGAAAA
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016586 unedited TCTTGAACCGCGCCGCTTTCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTAAAGCGGGATCTATTGTTTATTTACCTGAATACTGACCTCTT AAAGATTAATAAAGCAAGTTTCAACCCCTGCCTTTAAATTCATTTAGTCAATAAATT TTTGTGGAAGGCTTATTATATGCAAAAGTTCTGTTTTAACTAATAAACTGGTTAACATCA ATGTTACAAATATAAAGTCCTTTTAAAGTATCAATATCAAAATAAATCTCTCTCCTGGG GCCACAAAAAAGATGTCCACCCCTTGGAATTAAGTTTTTCAATTTCCAAAT ACCCCTTTTAAACAGAGGGAATAAATCCAACAATGCTATTTTCAATGCATTATTAT TTCAAACTTACTGGAATATTTGAAGTACTTGTGCAAGCTGGACTCATGTGAAAATA AACCTTGACTTCACAGAAAGTCTACATTGATAAATATATCCGTTGAATTAATAACAG TGTAAGTTACACCTTTGTTTCCAAAAAGTAAATGACCGGGACCAGAGGAGTTTTTCAT GGAAGGGGGGGGTTGCCATGGATTCTGCTTCCCTTGATTTTCTGAGGAGGGCTGTGTTG AGGGCACTAATTTCTCATCAAGTTGAGCCGTGAATAGTTCTGTTGAGGTGGGTGAAT TTTCTTCTTTTCCAGAAAGCCTACAGACTGGAATTTCCGGAGAGAGGCCTTCCATTC AAGGGTTTTAACCCTAAGTTTTTAATCCCGAGAAAAGCCCTTGGGCCTGGACCCCT GTTTGGACACGCAGGGGGCCCCAAAATTTGGGAGGCGGCTTCTCAGCCGGGTACCCAG TCCCAACACGCGGTGGGGTTATAACCCGCCGGGATTCTCGGGCTATCCGG
Restriction Sites:	NotI-NotI
ACCN:	NM_016586
Insert Size:	1300 bp
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).
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_016586.1</u> , <u>NP_057670.1</u>
RefSeq Size:	1623 bp
RefSeq ORF:	1035 bp
Locus ID:	51562
UniProt ID:	<u>Q9NS73</u>
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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).