

Product datasheet for **SC301081**

SIN1 (MAPKAP1) (NM_001006620) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIN1 (MAPKAP1) (NM_001006620) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAPKAP1
Synonyms:	JC310; MIP1; SIN1; SIN1b; SIN1g
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001006620, the custom clone sequence may differ by one or more nucleotides ATGACCGTGGTGACAATGGCCAGCGCCAGGGTGCAGGACCTGATCGGGCTCATCTGCTGG CAGTATACAAGCGAAGGACGGGAGCCGAAGCTCAATGACAATGTCAGTGCCTACTGCCTG CATATTGCTGAGGATGATGGGGAGGTGGACACCGATTTCCCCCGCTGGATTCCAATGAG CCCATTATAAGTTTGGCTTCAGTACTTTGGCCCTGGTTGAAAAGTACTCATCTCCTGGT CTGACATCCAAAGAGTCACTCTTTGTTTGAATAAATGCTGCTCATGGATTCTCCCTTATT CAGGTGGACAACACAAAGTTACCATGAAGGAAATCTTACTGAAGGCAGTGAAGCGAAGA AAAGGATCCCAGAAAGTTTCAGGCCCTCAGTACCGCCTGGAGAAGCAGAGCGAGCCCAAT GTCGCCGTTGACCTGGACAGCACTTTGGAGAGCCAGAGCGCATGGGAGTTCTGCCTGGTC CGCGAGAACAGTTCAAGGGCAGACGGGGTTTTTGGAGAGGATTGCAAAATTGACATAGCC ACAGTACAGGATATGCTTAGCAGCCACCATTACAAGTCATTCAAAGTCAGCATGATCCAC AGACTGCGATTACAACCGACGTACAGCTAGGTATCTCTGGAGACAAAGTAGAGATAGAC CCTGTTACGAATCAGAAAGCCAGCACTAAGTTTGGATTAAGCAGAAACCCATCTCAATC GATTCCGACCTGCTCTGTGCCTGTGACCTTGCTGAAGAGAAAAGCCCCAGTCACGCAATA TTTAAACTCACGTATCTAAGCAATCACGACTATAAACACCTCTACTTTGAATCGGACGCT GCTACCGTCAATGAAATTGTGCTCAAGGTTAACTACATCCTGGAATCGCGAGCTAGCACT GCCCGGGCTGACTACTTTGCTCAAAAACAAAGAAAACCTGAACAGACGTACGAGCTTCAGC TCCAGAAGGAGAAGAAATCCGGGCAGCAGTGA
Restriction Sites:	Please inquire
ACCN:	NM_001006620
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.



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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:	<ol style="list-style-type: none">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_001006620.1</u> , <u>NP_001006621.1</u>
RefSeq Size:	3067 bp
RefSeq ORF:	993 bp
Locus ID:	79109
UniProt ID:	<u>Q9BPZ7</u>
Cytogenetics:	9q33.3
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a protein that is highly similar to the yeast SIN1 protein, a stress-activated protein kinase. Alternatively spliced transcript variants encoding distinct isoforms have been described. Alternate polyadenylation sites as well as alternate 3' UTRs have been identified for transcripts of this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (4), also known as Sin1d, lacks an alternate in-frame exon in the 5' coding region, and uses a downstream start codon, compared to variant 1. The resulting protein (isoform 4), also known as the delta isoform, has a shorter N-terminus, compared to isoform 1. The existence of this isoform has not been confirmed experimentally. Variants 4 and 5 encode the same isoform (4).</p>