

Product datasheet for **SC323281**

MAPKBP1 (NM_001128608) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAPKBP1 (NM_001128608) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAPKBP1
Synonyms:	JNKBP-1; JNKBP1; NPHP20
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001128608, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGTGGAAGGGTCAACCATTACCAGCCGGATCAAGAATCTGTTGAGATCTCCATCC
ATCAAAGTGCAGAGGTAAGGCAGGAAACCGACGAGAGGACCTCAGCTCCAAGGTGACC
TTGGAGAAGGTGCTGGGAATTACAGTGTCTGGAGGCAGAGGACTTGCCTGTGACCCCGA
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CAGACGCTGGACGAACACTCATCTCCATCACTGCTGTTAAGTTTGCAGCCAGTGATGGG

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CAAGTCCGCATGATCAGCTGTGGAGCAGACAAGAGCATCTACTCCGCACTGCGCAGAAG
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GACATGGATGTGGAGCCAGCTGGAAGTACACGGCTATCGGCTGCCAGGACCGAAATATT
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CGAGTCTCACTCAGCAAGCTGGCCCTGCCAGCCGGGCTCACCTGGTCTGGACATC
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GCTCATCTGGGCCAGCAGCCCTGTGCCAGCAACTGCCAGTACAGCAGCTCTTCCAA
GGCCCTGAAAAGTGCAGCCCCACCCCTGAGAAGACTCCCAACCCATGGAATGCACC
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CAGCTGGTGGCAGAGCTCCGCGGCAGCGTGCAGCCAGGAGTGGGCTCTACCACTCGGTG
GCTGGCTGCAAGATGCCCTCAGCAGAGCAAAGTCGGATTGCCAGCTCTCAGAGACACC
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AGCAGCCCTGGGCTGTGGGAGCCGAGCAGACAGGCCCTGCTGGAGCAATACTCAGAA
CTGTTGCTTCGAGCCGTGGAACGCGTATGGAACGCAAACTC

Restriction Sites:

Please inquire

ACCN:

NM_001128608

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_001128608.1, NP_001122080.1</u>
RefSeq Size:	7265 bp
RefSeq ORF:	4545 bp
Locus ID:	23005
UniProt ID:	<u>O60336</u>
Cytogenetics:	15q15.1
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a scaffold protein that regulates the JNK (c-Jun N-terminal kinase) and NOD2 (nucleotide-binding oligomerization domain-containing protein 2) signaling pathways. The encoded protein interacts with another related JNK pathway scaffold protein, WDR62, via a conserved dimerization domain, and enhances JNK signaling. This protein may play a role in bacterial immunity by binding to the NOD2 receptor and negatively regulating downstream antibacterial and pro-inflammatory signaling. Mutations in this gene that impair cellular localization of the encoded protein cause a form of nephronophthisis, an autosomal-recessive kidney disorder, in human patients. [provided by RefSeq, May 2017] Transcript Variant: This variant (2) includes an alternate exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (b) is longer than isoform a.