

Product datasheet for **SC125371**

MLK4 (MAP3K21) (NM_032435) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MLK4 (MAP3K21) (NM_032435) Human Untagged Clone
Tag: Tag Free
Symbol: MAP3K21
Synonyms: dj862P8.3; MLK4
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene ORF sequence for NM_032435 edited

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CGGCTTCGGGGACCGCTGCGGCAGCAGAGCGGCTGGCCAGGAACGCGGGCCGAGGCTGG
ACCTTTGGGCAGCTAGCCCGTGATCTCTGCCGTACCGATCGCGATTCTACCCCTCG
CCTTCCCCGGCGCCGACGGCCACACCGCCGGACGATGCGCGCCCGGGCCGCCGGGAG
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GAGGTGTGTGCGAGGACCCCGGTGTGCGGGCAGCAGGGCTGGTGGGAGGCCAGGTG
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CAGCTGGCAGAGCGGAGATCGACGTGCTGGAGCGGAACTTAACATTCTGATATTCCAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032435 unedited
 ACCCCGCCTATATGGCGGCCGCAACCCGGCACCAGGCGGCTTCGGGGACCGCTGCGGCA
 GCAGAGGGCGGCTGTTAGGAACGCGGGCCGAGGCTGGACCCTTTGGGCAGCTAGCCCGTG
 ATCTCTGCGGTCACCGATCGCGATTCTACCCCTCGCCTTCCCCGGCGCCGACGGCCA
 CACCGCCGGACGATGCGCGCCCGCGGCCCGGGAGGCTGAGCCAGCTTCCCGCTCCG
 CCTTCCCCGCGCAGCTGCCCCATGGCTTTGCGGGGCGCCGCGGGAGCGACCGACCCCC
 GGTGTCTCGGCCGGGGAGCCCCGGCGGCTCAGCGTCTCGTCCCTCTCGGG
 CGGCTCGGCTCGGCGGGCGGGGCTGTGGCCGCGCTATGACTACGAGGCTCGCGG
 CGAGGACGAGCTGAGCCTGCGGCGCGGCCAGCTGGTGGAGGTGCTGTGCGATGACGCCG
 CGTGTGGGGCAGCAGGGCTGGTGGCAGGCCAGTGCAGCGCCGCTCGGCATCTTCCC
 TGCCAACACTAGTGGCTTCTTGGCCAGCCGCGCCAGCCAGTGCCTGGGCTCCTTGGGGC
 CCAGCTTCCCGGTACACGTCGCTTCTAGCGGCTTGGAGCTAAAGGAGCTCATCAGCGCT
 GGGGGCTTCGGGAGGTTTACCAGGCTTCTGTGAAGGTCCAGAAGGTGGCCTTAAATGC
 GGGCGCCAGACCCTGATGAAGGAGCGGGG

3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032435 unedited</p> <pre>TCCCGGCCAGGATTGCACTGAGGAGCCGTACAGGGATGCCACCCGGGATCTGTTTCAGGA AACAGCTATGACCTCTGCCGCAATCTAGAGTCGAGTTTTTTTTTCGGTTTTTTTTTATTT ATTTTTTTCATTGTGCTGAAGGTAATTCGACCCACCATAGTTTTTCATTGGTGCACATCTC TTGTTTTACACTTTTGTGATTTCCAAGTTATAAGAAAAGAATCCAGAGGAAAAACAATAG ACATGGCTAACAGCAATCATATACATTTTTTGAGAAGCTGGATATATCTTACTAATTTAG GAACATGGCCACAGCTTTTGAAAACACAGCAGCATGAAACAGTTCAAAGGTAGATACATT GTGTTTCATTTGTTACCTTAAAAAATGCTTAAACAACAGTAAGGCACTTAGTTTAAGAC AGGAATTTCTTTCTCCAGTTCATATATAGATGGCCGGCTGGTTTTGCTCCTCATTCTGCAC AGTGGCACAGTGAATCCCTGCTCTGACCTTCCACGTCAGCATCCAGTAATGAAGGCACA TGGGATTTAGTTCTCTCCTTGGCAGCGAGGAATTGGGTGGGATGTGGTCTGGGCGACCC ACTACACAGGCAGTCTGTGCCAGCTGAAACACTGCTGTCTGTGGGTAAGCCTGAGGCAGA TCTGAGCGGCTTCTCAGGAAGCAGGGCGACCCTGAGGCACCATGTGAACAAGGCTGTGC TCTTTAGTGAGACCTCCCTTCAA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_032435
Insert Size:	2500 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	NM_032435.1 , NP_115811.1
RefSeq Size:	4667 bp

RefSeq ORF: 3111 bp

Locus ID: 84451

UniProt ID: [Q5TCX8](#)

Cytogenetics: 1q42.2

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: Negative regulator of TLR4 signaling. Does not activate JNK1/MAPK8 pathway, p38/MAPK14, nor ERK2/MAPK1 pathways.[UniProtKB/Swiss-Prot Function]