

Product datasheet for **SC209333**

ASK1 (MAP3K5) (NM_005923) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: ASK1 (MAP3K5) (NM_005923) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: MAP3K5
Synonyms: ASK1; MAPKKK5; MEKK5
ACCN: NM_005923
Insert Size: 742 bp
Insert Sequence: >SC209333 3'UTR clone of NM_005923
The sequence shown below is from the reference sequence of NM_005923. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATCATTGACTTTTCAAACAACAGACTTGA CTGTTGCTCAATCTAATCTTCGATGAAAATTCTAAAAAT
TAATACAGAGCTGATCTTCTTGGGGTGGGAAAATCGAAGGGAGAGGAGAAAGCGCTGCACTTTAAAT
CCAGTATTTGTTACTCATGTTAAAAAAAAAAAAAACAGACAAAACACTGAAATTTCTAACTACAT
CTATTTCTATAATTTTTAAGGACTCTTCATAAGGACTCTTAAAAAATCCTGAACATTAGAACCTAAT
GTTTCAGGAAGATTTAATCTAAGCATTTTTATGGAAATATTTTTAATGCAGCAGCTATTGCACTTCAGC
CAAATGTTTATTTACACAAAACGGATGTAACATTTTCATGTGATCGTGACCACTGGAACAAAACAAA
ATGTGACCATAACTGTTTAGGCTTCTGTGTGTTTGAATATGCTCTAATAATCTGAGTAGAAATGCGTA
ATTTCAATTACTGTATAAAGTTTATGTTTTTTAAGTGTGCAGAACTGAGAGCAATGGTTTTACTTC
TCTGTGTTAATTGTAATATTGACTCTATTTGTAACCTAAGTTTCTGACCTGTCGTACATTTGTTTGAG
TCGTTTATGTAATACTGAACTGTACCAGTTGCACATGCTTGAACGTAGTAATGTTAGCTTGTCTAAA
GCTATCCATTGTGCATATTTACTCTAAAAATTAAGAGACTCTCAACATAC
ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites:

Sgfl-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_005923.4
Summary:	Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq, Jul 2008]
Locus ID:	4217
MW:	28.7