

Product datasheet for **RR208313**

Sike1 (NM_001012182) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sike1 (NM_001012182) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sike1
Synonyms: RGD1311316; Sike
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208313 representing NM_001012182
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCTGACGATCGAGAAGATCTTGACGGACGCCAAGACGCTGCTGGAGCGGCTGCGCGAACACGATG
CGGCGCCGAGTCGCTGGTGGACCAGTCGGCCGCGCTGCACCGCGGGTGGCTGCGATGCGGGAGGCGGG
CGCCGTGTGCCGAGCAGTATCAAGAGGATGCATCCGACGTGAAGGACATGTCTAAATATAAACCTCAC
ATTCTGCTGTCTCAAGAGAATACTCAGATTAGAGACTTACAGCAGGAAAACAGAGAGCTGTGGGTCTCCT
TGGAGGAGCACCAGGATGCATTGGAACATCATGAGCAAGTACCGGAAACAAATGTTACAGTTAATGGT
TGCTAAACAAGCAGTGGATGCTGAACAGTTTTGAAAGCTCATCAGTCTCACTCTGCAGAAATTGAAAGT
CAGATCGATAGAATCTGTGAAATGGGAGCAGTATGCGGAGAGCGGTTCCAGTGGACGATAACCAGTTCT
GTAAGATTCAGGAGAACTAGCTCAACTGGAGCTTAAAAATAAGGAACCTCGAGAATTACTGTCCATCAG
CAGTGAGTCTCTCCAGGTTGAAAAGAAAGCTCTGTGGCTCCCGAGGCTCAGACCATCAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208313 representing NM_001012182
Red=Cloning site Green=Tags(s)

MSCTIEKILTDAKTLLERLREHDAAAESLVDQSAALHRRVAAMREAGAVLPEQYQEDASDVKDMSKYKPH
ILLSQENTQIRDQLQENRELWVSL EEHQDALELIMSKYRKQMLQLMVAKQAVDAEPVLKAHQSHSAEIES
QIDRICEMGAVMRRRAVQVDDNQFCKIQEKLAQLELENKELRELLSISSESLQVKGESSVAPEAQTIR

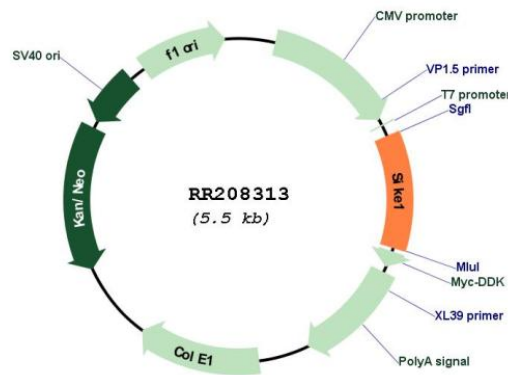
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001012182

ORF Size: 621 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001012182.2](#), [NP_001012182.1](#)

RefSeq Size: 2393 bp

RefSeq ORF: 624 bp

Locus ID: 362007

UniProt ID: [Q5FWT9](#)

Cytogenetics: 2q34

MW: 23.6 kDa

Gene Summary: Physiological suppressor of IKK-epsilon and TBK1 that plays an inhibitory role in virus- and TLR3-triggered IRF3. Inhibits TLR3-mediated activation of interferon-stimulated response elements (ISRE) and the IFN-beta promoter. May act by disrupting the interactions of IKBKE or TBK1 with TICAM1/TRIF, IRF3 and DDX58/RIG-I. Does not inhibit NF-kappa-B activation pathways (By similarity).[UniProtKB/Swiss-Prot Function]