

## Product datasheet for MR202191

### Sike1 (NM\_025679) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sike1 (NM\_025679) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Sike1  
**Synonyms:** 2810005O12Rik; 5730470L24Rik; A1450236; A1839862; Sike; Sikeb  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR202191 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGTGCACGATCGAGAAGATCTTGACGGACGCCAAGACGCTGCTGGAGCGGCTGCGCGAGCAGCATG  
 CGGCGGCCGAGTCGCTGGTGGACAGTCGGCTGCGCTGCACCGCGGGTGGCGGCGATGCGGGAGGCGGG  
 CGCCGTGTTACCCGAGCAGTATCAAGAGGATGCATCCGACGTGAAGGACATGTCTAAATATAACCTCAC  
 ATTCTGCTGTCTCAAGAGAATACCCAGATTAGAGACTTACAGCAGGAAAACAGAGAACTGTGGGTTTCT  
 TGGAGGAGCACCAGGATGCGTTGGAAGTATCATGAGCAAGTACCGGAAACAGATGTTACAGTTAATGGT  
 CGCTAAGAAAGCCGTGGATGCCGAACCAGTTCTGAAAGCTCACCAGTCTCACTCTGCAGAGATTGAAAGT  
 CAGATCGATAGAATCTGTGAAATGGGAGCAGTATGCGGAGAGCTGTTACAGTGGACGATAACCAATTCT  
 GTAAGGTTTCAAGAGACTAGCTCAGCTGGAGCTTAAAAAAGGAACTTCGAGAGTTACTGTCCATCAG  
 CAGTGAATCTCTGAGGTTGGAAAAGAAAGCTCTGTGGCTCCTGCCTCTCAGACCATCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR202191 protein sequence  
 Red=Cloning site Green=Tags(s)

MSCTIEKILTDAKLLERLREHDAEAESLVDQSAALHRRVAAMREAGAVLPEQYQEDASDVKMSKYKPH  
 ILLSQENTQIRDLQENRELWVSL EEHQDALELIMSKYRKQMLQMLVAKKAVDAEPVLKAHQSHSAEIES  
 QIDRICEMGAVMRRVAVQVDDNQFCKVQERLAQLELENKELRELLSISSESLQVGKESSVAPASQTIK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_025679

ORF Size: 624 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\\_025679.3](#)

RefSeq Size: 2798 bp

RefSeq ORF: 624 bp

Locus ID: 66641

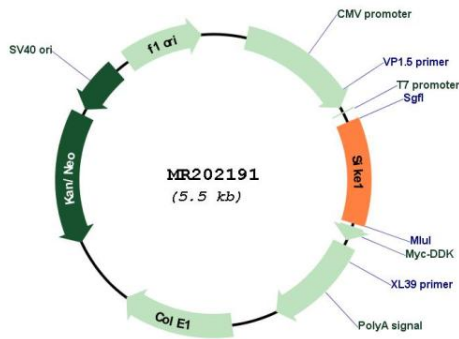
UniProt ID: [Q9CPR7](#)

**Cytogenetics:** 3 F2.2

**MW:** 23.5 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]

**Product images:**



Circular map for MR202191