

## Product datasheet for **SC316908**

### SIKE1 (NM\_001102396) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SIKE1 (NM_001102396) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIKE1
Synonyms:	SIKE
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001102396, the custom clone sequence may differ by one or more nucleotides ATGAGCTGCACCATCGAGAAGATCCTGACAGACGCCAAGACGCTGCTGGAGAGGCTACGG GAGCACGATGCGGCCGCCGAGTCGCTGGTGGATCAGTCGGCGGCCTGCACCGCGGGTA GCAGCTATGCGGGAGGCGGGGACAGCGCTCCGGACCAGGTCAGGCAGAGGTATCAAGAG GATGCATCCGATATGAAGGACATGTCAAATACAAACCTCACATTCTGCTGTCCCAAGAG AACACACAGATTAGAGACTTGAACAGGAAAACAGAGAGCTATGGATTCCTTGGAGGAA CACCAGGATGCTTTGGAAGTTATCATGAGCAAATATCGGAAACAGATGTTACAGTTAATG GTTGCTAAAAAGCGGTGGATGCTGAACCAGTCCTGAAAGCTCACCAGTCTCACTCTGCA GAAATTGAGAGTCAGATTGACAGAATCTGTGAAATGGGAGAAGTGATGAGGAAAGCAGTT CAGGTGGATGATGACCAGTTTTGTAAGATTCAGGAAAAATTAGCCCAATTAGAGCTTAA AATAAGGAACTTCGAGAATTATTGTCCATCAGCAGTGAGTCTCTTCAAGCCAGAAAGGAA AACTCAATGGACTGCTTCCCAAGCCATCAA
Restriction Sites:	Please inquire
ACCN:	NM_001102396
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).



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**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\\_001102396.1](#), [NP\\_001095866.1](#)

**RefSeq Size:** 5519 bp

**RefSeq ORF:** 636 bp

**Locus ID:** 80143

**UniProt ID:** [Q9BRV8](#)

**Cytogenetics:** 1p13.2

**Protein Pathways:** RIG-I-like receptor signaling pathway

**Gene Summary:** SIKE interacts with IKK-epsilon (IKBKE; MIM 605048) and TBK1 (MIM 604834) and acts as a suppressor of TLR3 (MIM 603029) and virus-triggered interferon activation pathways (Huang et al., 2005 [PubMed 16281057]).[supplied by OMIM, Mar 2008]  
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.