

Product datasheet for **SC111370**

SIKE1 (NM_025073) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIKE1 (NM_025073) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIKE1
Synonyms:	SIKE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_025073, the custom clone sequence may differ by one or more nucleotides

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ATGAGCTGCACCATCGAGAAGATCCTGACAGACGCCAAGACGCTGCTGGAGAGGCTACGGGAGCAGCATG
CGGCCCGCGAGTCGCTGGTGGATCAGTCGGCGGCGCTGCACCGCGGGTAGCAGCTATCGGGAGGCGGG
GACAGCGCTTCCGGACCAGTATCAAGAGGATGCATCCGATATGAAGGACATGTCCAATACAAACCTCAC
ATTCTGCTGTCCCAAGAGAACACACAGATTAGAGACTTGAACAGGAAAACAGAGAGCTATGGATTTCT
TGGAGGAACACCAGGATGCTTTGGAACTTATCATGAGCAAATATCGGAAACAGATGTTACAGTTAATGGT
TGCTAAAAAAGCGGTGGATGCTGAACCAGTCCTGAAAGCTCACCAGTCTCACTCTGCAGAAATTGAGAGT
CAGATTGACAGAATCTGTGAAATGGGAGAAGTGATGAGGAAAGCAGTTCAGGTGGATGATGACCAGTTTT
GTAAGATTCAGGAAAAATTAGCCAATTAGAGCTTGAAAATAAGGAACTTCGAGAATTATTGTCCATCAG
CAGTGAGTCTCTTCAAGCCAGAAAGGAAAACCTCAATGGACTGCTTCCCAAGCCATCAAATAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_025073 unedited CAGGTTTTGTATACGACTCCTATAGGGCGGCCGCGATTCCGGCACGAGGGGCAGGGGCTGG GGTGGTGTCTGCTATGAGCTGCACCATCGAGAAGATCCTGACAGACGCCAAGACGCTG CTGGAGAGGCTACGGGAGCAGATGCGGCCGCCGAGTCGCTGGTGGATCAGTCGGCGGCG CTGCACCGCGGGTAGCAGCTATGCGGGAGGCGGGGACAGCGCTCCGGACCAGTATCAA GAGGATGCATCCGATATGAAGGACATGTCCAAATACAAACCTCACATTCTGCTGTCCCAA GAGAACACACAGATTAGAGACTTGCAACAGGAAAACAGAGAGCTATGGATTTCTTGGAG GAACACCAGGATGCTTTGGAACCTTATCATGAGCAAATATCGGAAACAGATGTTACAGTTA ATGGTTGCTAAAAAGCGGTGGATGCTGAACCAGTCTGAAAGCTCACCAGTCTCACTCT GCAGAAATTGAGAGTCAGATTGACAGAATCTGTGAAATGGGAGAAGTATGAGGAAAGCA GTTCCAGGTGGATGATGACCAGTTTTGTAAGATTGAGGAAAAATTAGCCCAATTAGAGCTT GAAAATAAGGAACTTCGAGAATTATTGTCCATCAGCAGTGAGTCTCTTCAAGCCAGAAAG GAAAACCTCAATGGACTGCTTCCCAAGCCATCAAATACTGAACTCTNGATGATGGCTG GNAGATGTCTATCAAGGAAGGAGTTACTGTCTTCCATTGACTGTCATTAGTGTC TGGCTCAGATTGATTTATCTTAATAAAGTATCAGGTGGNCATTANAATCCAGTCATATTG GCTGCCACAGTCTCAGAGTGGTAAATGGGATACTACATGCTGATTCACCATTCTTTCAA GAGACTACTT
Restriction Sites:	NotI-NotI
ACCN:	NM_025073
Insert Size:	5850 bp
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).
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_025073.1 , NP_079349.1
RefSeq Size:	2209 bp
RefSeq ORF:	624 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 (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, which results in a protein (isoform 2) with a shorter N-terminus, compared to 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.