

Product datasheet for **RG219957**

SIKE1 (NM_001102396) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SIKE1 (NM_001102396) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SIKE1
Synonyms: SIKE
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG219957 representing NM_001102396
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTGCACCATCGAGAAGATCCTGACAGACGCCAAGACGCTGCTGGAGAGGCTACGGGAGCAGCATG
CGGCCCGGAGTCGCTGGTGGATCAGTCGGCGGCGCTGCACCGGCGGGTAGCAGCTATCGGGAGGCGGG
GACAGCGCTTCCGGACCAGGTCAAGGAGGATGCATCCGATATGAAGGACATGTCCAAA
TACAAACCTCACATTCTGCTGTCCCAAGAGAACACACAGATTAGAGACTTGAACAGGAAAACAGAGAGC
TATGGATTTCTTGGAGGAACACCAGGATGCTTTGGAACCTATCATGAGCAAATATCGGAAACAGATGTT
ACAGTTAATGGTTGCTAAAAAGCGGTGGATGCTGAACAGTCCTGAAAGCTCACCAGTCTCACTCTGCA
GAAATTGAGAGTCAGATTGACAGAATCTGTGAAATGGGAGAAGTATGAGGAAAGCAGTTCAGGTGGATG
ATGACCAGTTTTGTAAGATTCAGGAAAAATTAGCCCAATTAGAGCTTGAAATAAGGAACTTCGAGAATT
ATTGTCCATCAGCAGTGAGTCTCTTCAAGCCAGAAAGGAAAACCAATGGACTGCTTCCCAAGCCATC
AAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219957 representing NM_001102396
 Red=Cloning site Green=Tags(s)

MSCTIEKILTDAKTLLERLREHDAAAESLVDQSAALHRRVAAMREAGTALPDQVRQRYQEDASDMKDMSK
 YKPHILLSQENTQIRDLQENRELWISLEEHQDALELIMSKYRKQMLQLMVAKKAVDAEPVLKAHQSHSA
 EIESQIDRICEMGEVMRKAVQVDDQFCKIQEKLAQLELENKELRELLSISSESLQARKENSMDDTASQAI
 K

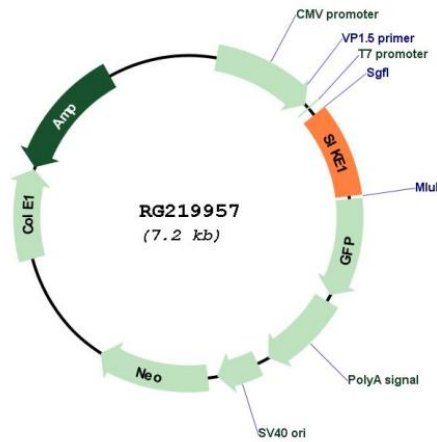
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001102396

ORF Size: 633 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:	<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_001102396.2
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]