

## Recombinant Human suppressor of IKBKE 1, His-tagged

**Cat. No.** SIKE1-521H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SIKE1, 1-207aa Human, His tag, E.coli                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-207 a.a.                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | SIKE interacts with IKK-epsilon and TBK1 and acts as a suppressor of TLR3 and virus-triggered interferon activation pathways. Recombinant human SIKE1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 26.1 kDa (230aa) confirmed by MALDI-TOF                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMSC TIEK ILTDAKTLLE RLREHDAAAE<br>SLVDQSAALH RRVAAMREAG TALPDQYQED ASDMKDMSKY KPHILLSQEN<br>TQIRDLQQEN RELWISLEEH QDALELIMSK YRKQMLQLMV AKKAVDAEPV<br>LKAHQSHSAE IESQIDRICE MGEVMRKAVQ VDDDQFCKIQ EKLAQLELEN<br>KELRELLSIS SESLQARKEN SMDTASQAIK            |
| <b>Purity</b>           | >85% by SDS - PAGE                                                                                                                                                                                                                                                                   |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>             | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                  |
| <b>Concentration</b>       | 0.25 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                                                           |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>           | SIKE1 suppressor of IKBKE 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b>     | SIKE1                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>            | SIKE; RP5-1000E10.4                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene ID</b>             | 80143                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>         | NM_025073.2                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>      | NP_079349.2                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>                 | 611656                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | Q9BRV8                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Chromosome Location</b> | 1p13.2                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | Immune System, organism-specific biosystem;Innate Immune System, organism-specific biosystem;RIG-I-like receptor signaling pathway, organism-specific biosystem;RIG-I-like receptor signaling pathway, conserved biosystem;RIG-I/MDA5 mediated induction of IFN-alpha/beta pathways, organism-specific biosystem;TRAF3-dependent IRF activation pathway, organism-specific biosystem;TRAF6 mediated |

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IRF7 activation, organism-specific biosystem;

**Function**

protein binding;

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