

SIKE Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP5375b

Specification

SIKE Blocking Peptide (C-term) - Product Information

Primary Accession

[O9BRV8](#)

Other Accession

[Q5FWT9](#), [Q0VCF3](#), [NP_001095866.1](#),
[NP_079349.2](#)**SIKE Blocking Peptide (C-term) - Additional Information****Gene ID** 80143**Other Names**

Suppressor of IKBKE 1, Suppressor of IKK-epsilon, SIKE1, SIKE

Target/Specificity

The synthetic peptide sequence is selected from aa 169-182 of HUMAN SIKE1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SIKE Blocking Peptide (C-term) - Protein Information**Name** SIKE1**Synonyms** SIKE**Function**

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 RIGI. Does not inhibit NF- kappa-B activation pathways.

Cellular Location

Cytoplasm.

Tissue Location

Widely expressed. Expressed in brain, heart, skeletal muscle, colon, thymus, spleen, kidney, liver, small intestine, placenta, lung and leukocytes. Present in all cell lines tested (at protein level).

SIKE Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SIKE Blocking Peptide (C-term) - Images

SIKE Blocking Peptide (C-term) - Background

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]).

SIKE Blocking Peptide (C-term) - References

Goudreault, M., et al. Mol. Cell Proteomics 8(1):157-171(2009)
Huang, J., et al. EMBO J. 24(23):4018-4028(2005)