

Mouse Frk Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP21129a**Specification**

Mouse Frk Blocking Peptide (C-term) - Product Information

Primary Accession [O922K9](#)
Other Accession [Q62662](#)

Mouse Frk Blocking Peptide (C-term) - Additional Information

Gene ID 14302

Other Names

Tyrosine-protein kinase FRK, Beta-cell Src-homology tyrosine kinase, BSK, FYN-related kinase, Intestine tyrosine kinase, Frk, Bsk, Iyk

Target/Specificity

The synthetic peptide sequence is selected from aa 476-489 of HUMAN Frk

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.

Mouse Frk Blocking Peptide (C-term) - Protein Information

Name Frk

Synonyms Bsk, Iyk

Function

Non-receptor tyrosine-protein kinase that negatively regulates cell proliferation. Positively regulates PTEN protein stability through phosphorylation of PTEN on 'Tyr-336', which in turn prevents its ubiquitination and degradation, possibly by reducing its binding to NEDD4. May function as a tumor suppressor (By similarity).

Cellular Location

Cytoplasm. Nucleus. Note=Predominantly found in the nucleus, with a small fraction found in the cell periphery.

Tissue Location

Expressed in intestinal tract, fetal and adult islets of Langerhans, kidney, liver and lung

Mouse Frk Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

Mouse Frk Blocking Peptide (C-term) - Images

Mouse Frk Blocking Peptide (C-term) - Background

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Thuveson M.,et al.Biochem. Biophys. Res. Commun. 209:582-589(1995).
Oberg-Welsh C.,et al.Gene 152:239-242(1995).
Carninci P.,et al.Science 309:1559-1563(2005).
Chandrasekharan S.,et al.Mol. Cell. Biol. 22:5235-5247(2002).
Welsh M.,et al.Biochem. J. 382:261-268(2004).