

**FAM49B Blocking Peptide (N-term)**  
**Synthetic peptide**  
**Catalog # BP19913a****Specification**

---

**FAM49B Blocking Peptide (N-term) - Product Information**

Primary Accession [O9NUO9](#)  
Other Accession [O921M7](#), [O2KJL3](#), [NP\\_057707.3](#)

**FAM49B Blocking Peptide (N-term) - Additional Information**

**Gene ID** 51571

**Other Names**

Protein FAM49B, L1, FAM49B

**Target/Specificity**

The synthetic peptide sequence is selected from aa 22-36 of HUMAN FAM49B

**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.

**FAM49B Blocking Peptide (N-term) - Protein Information**

**Name** CYRIB {ECO:0000303|PubMed:30250061, ECO:0000312|HGNC:HGNC:25216}

**Function**

Negatively regulates RAC1 signaling and RAC1-driven cytoskeletal remodeling (PubMed:<a href="http://www.uniprot.org/citations/31285585" target="\_blank">31285585</a>, PubMed:<a href="http://www.uniprot.org/citations/30250061" target="\_blank">30250061</a>). Regulates chemotaxis, cell migration and epithelial polarization by controlling the polarity, plasticity, duration and extent of protrusions. Limits Rac1 mediated activation of the Scar/WAVE complex, focuses protrusion signals and regulates pseudopod complexity by inhibiting Scar/WAVE- induced actin polymerization (PubMed:<a href="http://www.uniprot.org/citations/30250061" target="\_blank">30250061</a>). Protects against Salmonella bacterial infection. Attenuates processes such as macropinocytosis, phagocytosis and cell migration and restrict sopE- mediated bacterial entry (PubMed:<a href="http://www.uniprot.org/citations/31285585" target="\_blank">31285585</a>). Restricts also infection mediated by Mycobacterium tuberculosis and Listeria monocytogenes (By similarity). Involved in the regulation of mitochondrial dynamics and oxidative stress (PubMed:<a href="http://www.uniprot.org/citations/29059164" target="\_blank">29059164</a>).

**Cellular Location**

Membrane; Lipid-anchor. Mitochondrion

**FAM49B Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

**FAM49B Blocking Peptide (N-term) - Images****FAM49B Blocking Peptide (N-term) - Background**

The function of this protein is unknown.

**FAM49B Blocking Peptide (N-term) - References**

Melzer, D., et al. PLoS Genet. 4 (5), E1000072 (2008) :  
Lamesch, P., et al. Genomics 89(3):307-315(2007)  
Petroziello, J., et al. Oncogene 23(46):7734-7745(2004)