

**REG3A Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP20667c****Specification**

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**REG3A Blocking Peptide (Center) - Product Information**Primary Accession [Q06141](#)**REG3A Blocking Peptide (Center) - Additional Information****Gene ID** 5068**Other Names**

Regenerating islet-derived protein 3-alpha, REG-3-alpha, Hepatointestinal pancreatic protein, HIP/PAP, Human proislet peptide, Pancreatitis-associated protein 1, Regenerating islet-derived protein III-alpha, Reg III-alpha, Regenerating islet-derived protein 3-alpha 165 kDa form, Regenerating islet-derived protein 3-alpha 15 kDa form, REG3A, HIP, PAP, PAP1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 105-119 of HUMAN REG3A

**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.

**REG3A Blocking Peptide (Center) - Protein Information****Name** REG3A ([HGNC:8601](#))**Function**

[Regenerating islet-derived protein 3-alpha 15 kDa form]: Bactericidal C-type lectin which acts exclusively against Gram-positive bacteria and mediates bacterial killing by binding to surface-exposed carbohydrate moieties of peptidoglycan (PubMed:<a href="http://www.uniprot.org/citations/16931762" target="\_blank">16931762</a>). Binds membrane phospholipids and kills bacteria by forming a hexameric membrane-permeabilizing oligomeric pore (PubMed:<a href="http://www.uniprot.org/citations/24256734" target="\_blank">24256734</a>).

**Cellular Location**

Secreted. Note=Found in the apical region of pancreatic acinar cells

**Tissue Location**

Expressed by keratinocytes (PubMed:27830702). Highly expressed in epidermal keratinocytes of psoriasis patients (at protein level) (PubMed:22727489). Constitutively expressed in intestine. Low expression is found in healthy pancreas. Overexpressed during the acute phase of pancreatitis and in some patients with chronic pancreatitis (PubMed:1469087).

### **REG3A Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

### **REG3A Blocking Peptide (Center) - Images**

### **REG3A Blocking Peptide (Center) - Background**

Bactericidal C-type lectin which acts exclusively against Gram-positive bacteria and mediates bacterial killing by binding to surface-exposed carbohydrate moieties of peptidoglycan. Regulates keratinocyte proliferation and differentiation after skin injury via activation of EXTL3-PI3K-AKT signaling pathway.

### **REG3A Blocking Peptide (Center) - References**

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Lasserre C.,et al.Cancer Res. 52:5089-5095(1992).  
Duseti N.J.,et al.Genomics 19:108-114(1994).  
Lasserre C.,et al.Eur. J. Biochem. 224:29-38(1994).