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REG3A Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20667c

Specification

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

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

Itoh T.,et al.Biochim. Biophys. Acta 1172:184-186(1993).
Orelle B.,et al.J. Clin. Invest. 90:2284-2291(1992).
Lasserre C.,et al.Cancer Res. 52:5089-5095(1992).
Dusetti N.J.,et al.Genomics 19:108-114(1994).
Lasserre C.,et al.Eur. J. Biochem. 224:29-38(1994).

Synonyms HIP, PAP, PAP1

Function
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.

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

Tissue Location
Highly expressed in epidermal keratinocytes of psoriasis patients (at protein level). 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.

REG3A Blocking Peptide (Center) - Protocols

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

- Blocking Peptides