

**MUC5AC, Analog 1**  
**Synthetic Peptide**  
**Catalog # SP2266a****Specification**

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**MUC5AC, Analog 1 - Product Information**Primary Accession  
Sequence[P98088](#)  
**NH2-GTTPSPVPTTSTTSAP-COOH****MUC5AC, Analog 1 - Additional Information****Gene ID** 4586**Other Names**

Mucin-5AC, MUC-5AC, Gastric mucin, Lewis B blood group antigen, LeB, Major airway glycoprotein, Mucin-5 subtype AC, tracheobronchial, Tracheobronchial mucin, TBM, MUC5AC, MUC5

**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.

**MUC5AC, Analog 1 - Protein Information****Name** MUC5AC {ECO:0000303|PubMed:11535137, ECO:0000312|HGNC:HGNC:7515}**Function**

Gel-forming glycoprotein of gastric and respiratory tract epithelia that protects the mucosa from infection and chemical damage by binding to inhaled microorganisms and particles that are subsequently removed by the mucociliary system (PubMed:&lt;a href="http://www.uniprot.org/citations/14535999" target="\_blank"&gt;14535999&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/14718370" target="\_blank"&gt;14718370&lt;/a&gt;). Interacts with H.pylori in the gastric epithelium, Barrett's esophagus as well as in gastric metaplasia of the duodenum (GMD) (PubMed:&lt;a href="http://www.uniprot.org/citations/14535999" target="\_blank"&gt;14535999&lt;/a&gt;).

**Cellular Location**

Secreted

**Tissue Location**

Highly expressed in surface mucosal cells of respiratory tract and stomach epithelia. Overexpressed in a number of carcinomas. Also expressed in Barrett's esophagus epithelium and in the proximal duodenum.

## **MUC5AC, Analog 1 - Images**