

MUC20 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP7830a**Specification**

MUC20 Blocking Peptide (N-term) - Product Information

Primary Accession [Q8N307](#)
Other Accession [Q86ST8](#)

MUC20 Blocking Peptide (N-term) - Additional Information

Gene ID 200958

Other Names

Mucin-20, MUC-20, MUC20, KIAA1359

Target/Specificity

The synthetic peptide sequence is selected from aa 76-90 of HUMAN MUC20

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.

MUC20 Blocking Peptide (N-term) - Protein Information

Name MUC20

Synonyms KIAA1359

Function

May regulate MET signaling cascade. Seems to decrease hepatocyte growth factor (HGF)-induced transient MAPK activation. Blocks GRB2 recruitment to MET thus suppressing the GRB2-RAS pathway. Inhibits HGF-induced proliferation of MMP1 and MMP9 expression.

Cellular Location

Secreted. Apical cell membrane. Basolateral cell membrane. Cell projection, microvillus membrane

Tissue Location

Highly expressed in kidney, moderately in placenta, lung, prostate, liver, and digestive system. In the kidney, localized in the proximal tubules but not in the glomerulus or distal tubules Detected in most of the male urogenital tract epithelia, with the exception of epididymis.

MUC20 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

MUC20 Blocking Peptide (N-term) - Images

MUC20 Blocking Peptide (N-term) - Background

This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins secreted by many epithelial tissues to form an insoluble mucous barrier. The shorter isoform expressed by this gene is localized to the plasma membrane, whereas the longer isoform might be secreted. The C terminus of this protein associates with the multifunctional docking site of the met proto-oncogene and suppresses activation of some downstream met signaling cascades. The protein features a tandem repeat domain that varies between 2 and 6 copies in different individuals. Multiple transcript variants encoding different isoforms have been found for this gene.

MUC20 Blocking Peptide (N-term) - References

Li,G., Am. J. Nephrol. 26 (1), 43-49 (2006)
Suzuki,Y., Genome Res. 14 (9), 1711-1718 (2004)
Higuchi,T., Mol. Cell. Biol. 24 (17), 7456-7468 (2004)
Higuchi,T., J. Biol. Chem. 279 (3), 1968-1979 (2004)