10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AMY2A Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP5415b

Specification

AMY2A Blocking Peptide (C-term) - Product Information

Primary Accession	P04746
Other Accession	P00690, P19961, P04745, NP_000690.1

AMY2A Blocking Peptide (C-term) - Additional Information

Gene ID 279

Other Names
Pancreatic alpha-amylase, PA, 4-alpha-D-glucan glucanohydrolase, AMY2A

Target/Specificity
The synthetic peptide sequence is selected from aa 499-511 of HUMAN AMY2A

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.

AMY2A Blocking Peptide (C-term) - Protein Information

Name AMY2A

Cellular Location
Secreted, extracellular space.

Tissue Location
Detected in pancreas (at protein level).

AMY2A Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

AMY2A Blocking Peptide (C-term) - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AMY2A Blocking Peptide (C-term) - Background

Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the pancreas.

AMY2A Blocking Peptide (C-term) - References

Endo, T., et al. Diabetes 58(3):732-737(2009)
Baltova, S.D. Folia Med (Plovdiv) 47(1):37-41(2005)
Scheil, H.G., et al. Anthropol Anz 62(4):429-434(2004)
Numao, S., et al. J. Biol. Chem. 279(46):48282-48291(2004)
Baltova, S., et al. Coll Antropol 28 SUPPL 2, 291-295 (2004) :
Jacob, M., et al. Biochem. Cell Biol. 70 (10-11), 1105-1114 (1992) :
Groot, P.C., et al. Genomics 8(1):97-105(1990)
Horii, A., et al. Gene 60(1):57-64(1987)
Nishide, T., et al. Gene 41 (2-3), 299-304 (1986) :
Kaczmarek, M.J., et al. Clin. Chim. Acta 79(1):69-73(1977)