

ATP1A3 Blocking Peptide (Center)

Synthetic peptide

Catalog # BP21650c

Specification

ATP1A3 Blocking Peptide (Center) - Product Information

Primary Accession

[P13637](#)**ATP1A3 Blocking Peptide (Center) - Additional Information**

Gene ID 478

Other Names

Sodium/potassium-transporting ATPase subunit alpha-3, Na(+)/K(+) ATPase alpha-3 subunit, Na(+)/K(+) ATPase alpha(III) subunit, Sodium pump subunit alpha-3, ATP1A3

Target/Specificity

The synthetic peptide sequence is selected from aa 464-477 of HUMAN ATP1A3

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.

ATP1A3 Blocking Peptide (Center) - Protein Information

Name ATP1A3

Function

This is the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. This action creates the electrochemical gradient of sodium and potassium ions, providing the energy for active transport of various nutrients.

Cellular Location

Cell membrane; Multi-pass membrane protein

ATP1A3 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

ATP1A3 Blocking Peptide (Center) - Images

ATP1A3 Blocking Peptide (Center) - Background

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ATP1A3 Blocking Peptide (Center) - References

Ovchinnikov Y.A., et al. FEBS Lett. 233:87-94(1988).
Sverdlov E.D., et al. Dokl. Akad. Nauk SSSR 297:1488-1494(1987).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Grimwood J., et al. Nature 428:529-535(2004).
Ovchinnikov Y.A., et al. FEBS Lett. 213:73-80(1987).