

**ADCK4 Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP7775b****Specification**

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**ADCK4 Blocking Peptide (C-term) - Product Information**Primary Accession [Q96D53](#)**ADCK4 Blocking Peptide (C-term) - Additional Information****Gene ID** 79934**Other Names**

AarF domain-containing protein kinase 4, 2711-, ADCK4

**Target/Specificity**

The synthetic peptide sequence is selected from aa 456-468 of HUMAN ADCK4

**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.

**ADCK4 Blocking Peptide (C-term) - Protein Information****Name** COQ8B ([HGNC:19041](#))**Function**

Atypical kinase involved in the biosynthesis of coenzyme Q, also named ubiquinone, an essential lipid-soluble electron transporter for aerobic cellular respiration (PubMed:<a href="http://www.uniprot.org/citations/24270420" target="\_blank">24270420</a>, PubMed:<a href="http://www.uniprot.org/citations/36302899" target="\_blank">36302899</a>, PubMed:<a href="http://www.uniprot.org/citations/38425362" target="\_blank">38425362</a>). Its substrate specificity is still unclear: may act as a protein kinase that mediates phosphorylation of COQ3 (PubMed:<a href="http://www.uniprot.org/citations/38425362" target="\_blank">38425362</a>). According to other reports, acts as a small molecule kinase, possibly a lipid kinase that phosphorylates a prenyl lipid in the ubiquinone biosynthesis pathway, as suggested by its ability to bind coenzyme Q lipid intermediates (By similarity). However, the small molecule kinase activity was not confirmed by another publication (PubMed:<a href="http://www.uniprot.org/citations/38425362" target="\_blank">38425362</a>). Required for podocyte migration (PubMed:<a href="http://www.uniprot.org/citations/24270420" target="\_blank">24270420</a>).

**Cellular Location**

Mitochondrion membrane; Single-pass membrane protein. Cytoplasm, cytosol. Cell membrane

**Tissue Location**

Widely expressed, including renal podocytes.

**ADCK4 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

**ADCK4 Blocking Peptide (C-term) - Images****ADCK4 Blocking Peptide (C-term) - Background**

This protein may be a protein kinase.

**ADCK4 Blocking Peptide (C-term) - References**

Strausberg, R.L., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)