

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

Specification

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:24270420, PubMed:36302899, PubMed:38425362). Its substrate specificity is still unclear: may act as a protein kinase that mediates phosphorylation of COQ3 (PubMed:38425362). 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:38425362). Required for podocyte migration (PubMed:24270420).

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)