

Zebrafish ak2 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21602c**Specification**

Zebrafish ak2 Blocking Peptide (Center) - Product InformationPrimary Accession [O1L8L9](#)**Zebrafish ak2 Blocking Peptide (Center) - Additional Information****Gene ID** 321793**Other Names**

Adenylate kinase 2, mitochondrial {ECO:0000255|HAMAP-Rule:MF_03168}, AK 2
{ECO:0000255|HAMAP-Rule:MF_03168}, 2743 {ECO:0000255|HAMAP-Rule:MF_03168}, ATP-AMP
transphosphorylase 2 {ECO:0000255|HAMAP-Rule:MF_03168}, ATP:AMP phosphotransferase
{ECO:0000255|HAMAP-Rule:MF_03168}, Adenylate monophosphate kinase
{ECO:0000255|HAMAP-Rule:MF_03168}, ak2

Target/Specificity

The synthetic peptide sequence is selected from aa 147-163 of HUMAN ak2

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.

Zebrafish ak2 Blocking Peptide (Center) - Protein Information**Name** ak2**Function**

Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism. Adenylate kinase activity is critical for regulation of the phosphate utilization and the AMP de novo biosynthesis pathways. Plays a key role in hematopoiesis.

Cellular Location

Mitochondrion intermembrane space {ECO:0000255|HAMAP-Rule:MF_03168}

Zebrafish ak2 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

Zebrafish ak2 Blocking Peptide (Center) - Images

Zebrafish ak2 Blocking Peptide (Center) - Background

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Zebrafish ak2 Blocking Peptide (Center) - References

Howe K., et al. Nature 496:498-503(2013).
Pannicke U., et al. Nat. Genet. 41:101-105(2009).