

Recombinant Human AK1

Catalog No: #GP10151



Package Size: #GP10151-1 100ug

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Description

Product Name	Recombinant Human AK1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-194 amino acids of human Adenylate kinase isoenzyme 1
Target Name	adenylate kinase 1
Other Names	HTL-S-58j
Accession No.	Swissprot:P00568Gene Accession:BC001116
Uniprot	P00568
GenelD	203;
Storage	-20~-80°C, pH 7.6 PBS

Background

Adenylate kinase is an enzyme involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate group among adinine nucleotides. Three isozymes of adenylate kinase have been identified in vertebrates, adenylate isozyme 1 (AK1), 2 (AK2) and 3 (AK3). AK1 is found in the cytosol of skeletal muscle, brain and erythrocytes, whereas AK2 and AK3 are found in the mitochondria of other tissues including liver and heart. AK1 was identified because of its association with a rare genetic disorder causing nonspherocytic hemolytic anemia where a mutation in the AK1 gene was found to reduce the catalytic activity of the enzyme.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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