

Recombinant Human AK3, His-tagged

Cat. No. AK3-27150TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-223 of Human AK3, fused to His tag at N terminal, 29.3 kDa.
Species	Human
Source	E.coli
ProteinLength	1-223 a.a.
Description	The protein encoded by this gene is a GTP:ATP phosphotransferase that is found in the mitochondrial matrix. Several transcript variants encoding a few different isoforms have been found for this gene.
Conjugation	HIS
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 2mM DTT, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMASK LLRAVILGPP GSGKGTVSQR IAQNFGLQHL SSGHFLRENI KASTEVGEMA KQYIEKSLLV

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PDHVITRLMM SELENRRGQH WLLDGFPRTL GQAEALDKIC EVDLVISLNI
 PFETLKDRLS RRWIHPPSGR VYNLDFNPPH VHGIDDVTGE PLVQQEDDKP
 EAVAARLRQY KDVAKPVIEL YKSRGVLHQF SGTETNKIWP YVYTLFSNKI
 TPIQSKEAY

Sequence Similarities Belongs to the adenylate kinase family.

GENE INFORMATION

Gene Name [AK3 adenylate kinase 3 \[Homo sapiens \]](#)

Official Symbol [AK3](#)

Synonyms AK3; adenylate kinase 3; adenylate kinase 3 like 1 , adenylate kinase 6 , AK3L1, AK6; GTP:AMP phosphotransferase, mitochondrial; AKL3L1;

Gene ID [50808](#)

mRNA Refseq [NM_001199852](#)

Protein Refseq [NP_001186781](#)

MIM [609290](#)

Uniprot ID [Q9UIJ7](#)

Chromosome Location 9p24.1

Pathway Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem; Pyrimidine metabolism,

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organism-specific biosystem; Pyrimidine metabolism, conserved biosystem;

Function

ATP binding; GTP binding; adenylate kinase activity; identical protein binding;
nucleobase-containing compound kinase activity;

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