

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 IAQNFGFLQHL SSGHFLRENI KASTEVGEMA KQYIEKSLLV

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PDHVITRLMM SELENRRGQH WLLDGFPRTL GQAEALDKIC EVDLVISLNI
 PFETLKDRLS RRWIHPPSGR VYNLDFNPPH VHGIDDTVGE 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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