

Product datasheet for **AR50088PU-S**

Adenylate kinase 5 / AK5 (1-562, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Adenylate kinase 5 / AK5 (1-562, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGS HMNTNDA KEYMARREIP QLFESLLNGL MCSKPEDPVE YLESC LQKVK ELGGCDKVKW DTFVSQEKKT LPPLNGGQSR RSFLRNVM PG NSNFPYRRYD RLPPIHQFSI ESDTDLSETA ELIEEYEVFD PTRPRPKIIL VIGGPGSGKG TQSLKIAERY GFQYISVGEL LRKKIHSTSS NRKWSLIAKI ITTGELAPQE TTITEIKQKL MQIPDEEGIV IDGFPRDVAQ ALSFEDQICT PDLVFLACA NQRLKERLLK RAEQQGRPDD NVKATQRR LM NFKQNAAPLV KYFQEKGLIM TFDADRDEDE VFYDISMAVD NKLFPNKEAA AGSSDLPSM ILDTGEIIDT GSDYEDQGDD QLN VFGEDTM GGFMEDLRKC KIIFIIGGPG SGKGTQCEKL VEKYGFT HLS TGELLREELA SESERSKLIR DIMERGD LVP SGIVLELLKE AMVASLGDTR GFLIDGYPRE VKQGEEFGRR IGDPQLVICM DCSADTMTNR LLQRSRSLP VDDTTKTI AK RLEAYYRASI PVIAYYETKT QLHKINAEGT PEDVFLQLCT AIDSIF
Tag:	His-tag
Predicted MW:	65.9 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human AK5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_036225
Locus ID:	26289



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UniProt ID: [Q9Y6K8](#)

Cytogenetics: 1p31.1

Synonyms: AK6

Summary: This gene encodes a member of the adenylate kinase family, which is involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. This member is related to the UMP/CMP kinase of several species. It is located in the cytosol and expressed exclusively in brain. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Purine metabolism

Product images:

