Recombinant Human AK5, GST-tagged

Cat. No. AK5-9515H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AK5 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-325a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	AK5 adenylate kinase 5 [Homo sapiens]

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Official Symbol	AK5
Synonyms	AK5; adenylate kinase 5; adenylate kinase isoenzyme 5; AK 5; adenylate kinase 6; ATP-AMP transphosphorylase 5; AK6; MGC33326;
Gene ID	26289
mRNA Refseq	NM_012093
Protein Refseq	NP_036225
MIM	608009
UniProt ID	Q9Y6K8
Chromosome Location	1p31
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Synthesis and interconversion of nucleotide di- and triphosphates, organism-specific biosystem;
Function	ATP binding; adenylate kinase activity; cAMP-dependent protein kinase regulator activity; nucleoside kinase activity; nucleotide binding; transferase activity;

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