

Recombinant Human AK5 protein, GST-tagged

Cat. No. AK5-8433H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AK5 protein(3-328 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	3-328 aa
Tag	N-GST
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

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AA Sequence

PDLVVFLACANQRLKERLLKRAEQQGRPDDNVKATQRRLMNFQNAAPLVKYFQE
 KGLIMTFDADRDEDEVFYDISMAVDNKLFPNKEAAAGSSDLDPMSMILDTGEIIDTGSD
 YEDQGDDQLNVFGEDTMGGFMEDLRKCKIIFIIGGPGSGKGTQCEKLVEKYGFTHLS
 TGELLREELASESERSKLIRDIMERGDLVPSGIVLELLKEAMVASLGDTRGFLIDGYP
 REVKQGEEFGRRIGDPQLVICMDCSADTMTNRLLQRSRSSLPVDDTTKTIKRLEAY
 YRASIPVIAYYETKTQLHKINAEGTPEDVFLQLCTAIDSIF

GENE INFORMATION

Gene Name [AK5 adenylate kinase 5 \[Homo sapiens \]](#)

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](#)

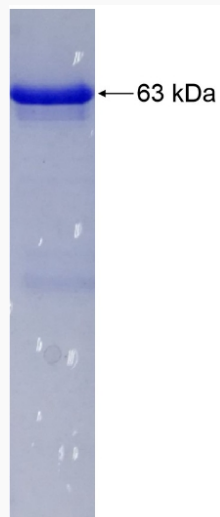
UniProt ID [Q9Y6K8](#)

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SDS-PAGE



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