

AK5 Human

Description:AK5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 586 amino acids (1-562 a.a.) and having a molecular mass of 65.9kDa.AK5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PKPS-018

For research use only.

Synonyms:Adenylate kinase isoenzyme 5, AK 5, ATP-AMP transphosphorylase 5, AK5, AK6.

Source:Escherichia Coli.

Physical Appearance:Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMNTNDA KEYMARREIP
QLFESLLNGL MCSKPEDPVE YLESLQKVK ELGGCDKVKW DTFVSQEKKT LPPLNGGQSR
RSFLRNVMPG NSNFPYRRYD RLPPHQFSI ESDTDLSETA ELIEEYEVFD PTRPRPKIIL
VIGGPGSGKG TQSLKIAERY GFQYISVGEL LRKKIHSTSS NRKWSLIAKI ITTGELAPQE
TTITEIKQKL MQ

Purity:Greater than 85% as determined by SDS-PAGE.

Formulation:

AK5 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished forLABORATORY RESEARCHUSEONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Adenylate kinase isoenzyme 5 (AK5) belongs to 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. AK5 is related to the UMP/CMP kinase of several species. AK5 is located in the cytosol and expressed exclusively in the brain.

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