Recombinant Protein from Human, Human Choline Kinase Alfa-1

Ref: hCHKA1

DESCRIPTION:

hCHKA1 is a Kinase involved in the major pathway for the biosynthesis of phosphatidylcholine, that is the major phospholipid in eukaryotic membranes. It is the initial enzyme of the metabolic way and catalyzes the phosphorylation of choline to produce phosphocholine. This protein also catalyzes the phosphorylation of ethanolamine. CpCHKA is a dimeric enzyme with each monomer being composed of two domains. The active site is located between the two domains. Its overall structure is similar to members of the eukaryotic protein kinase.

It is a drug target against cancer.

Synonymous- gene: CHKA; choline kinase alpha; CHK; CK; CKl; EK; CHETK- alpha; Ethanolamine kinase; (Short name=EK)

Location: chr 11: 67.82 – 67.79 Mb; 11q13.2

NCBI GENE ID: 1119

UniProtKB/SwissProt: P35790

Presentation: Shipped on dry ice. Upon delivery aliquot and store at -20 or -80 °C. Avoid freeze and thaw cycles.

Source: E. coli

Molecular weight: 45 KDa.

Buffer: TRIS 25 mM, pH 7.5.

QUALITY CONTROL:

Protein concentration: Lot specific
Purity by SDS-PAGE: Lot specific

LOT SPECIFICATIONS:

1. Concentration: lot specific
2. Total quantity per aliquot: see references
3. Storage: Kept frozen at -20 or -80 degrees.
4. Applications:
   • Glycobiology.
   • Cancer research.
6. References:

Two different representations of human CHKA.