

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



ChoKB (E324) Peptide

Cat No.: BS2377P

Background

The major pathway for the biosynthesis of phosphatidylcholine occurs via the CDP-choline pathway. Choline kinase, the initial enzyme in the sequence, plays a role in cell growth proliferation. A related protein, ChoKB (also, known as choline kinase beta), is a 395 amino acid enzyme that catalyzes the phosphorylation of choline by ATP in the presence of magnesium, thereby yielding phosphocholine and ADP. Like all choline kinases, ChoKB possesses ethanoamine kinase activity and catalyzes the phosphorylation of ethanolamine. The gene encoding ChoKB is located less than 1 kb upstream of the CPT1B gene, suggesting that the ChoKB gene may regulate transcription CPT1B. In mice, mutations and/or deletions in the gene encoding ChoKB are the cause of hindlimb muscular dystrophy and neonatal bone deformity.

Swiss-Prot

Q9Y259

Applications

Blocking

Specificity

This peptide can be used with studies using BS2377 ChoKB (E324) pAb.

Purification & Purity

Synthetic peptide ChoKB (E324). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.