PRODUCT INFORMATION

Expression system E.coli

Domain 1-386aa

UniProt No. Q9NVF9

NCBI Accession No. NP_060678.2

Alternative Names Ethanolamine kinase 2, EKI2, HMFT1716

PRODUCT SPECIFICATION

Molecular Weight 47.2 kDa (409aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag His-Tag

Application SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ETNK2 also known as ethanolamine kinase 2 is a member of choline/ethanolamine kinase family which catalyzes the first step of phosphatidylethanolamine (PtdEtn) biosynthesis via the cytidine diphosphate. Recombinant human ETNK2 was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MAVPPSA PQPRASFHLR RHTPCPQCSW GMEEKAAASA SCREPPGPPR AAAVAYFGIS VDPDDILPGA LRLIQELRPH WKPEQVRTKR FTDGITNKLV ACYVEEDMQD CVLVRVYGER TELLVDRENE



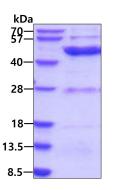
VRNFQLLRAH SCAPKLYCTF QNGLCYEYMQ GVALEPEHIR EPRLFRLIAL EMAKIHTIHA NGSLPKPILW HKMHNYFTLV KNEINPSLSA DVPKVEVLER ELAWLKEHLS QLESPVVFCH NDLLCKNIIY DSIKGHVRFI DYEYAGYNYQ AFDIGNHFNE FAGVNEVDYC LYPARETQLQ WLHYYLQAQK GMAVTPREVQ RLYVQVNKFA LASHFFWALW ALIQNQYSTI DFDFLRYAVI RFNQYFKVKP QASALEMPK

General References

Ota T., et al. (2004) Nat. Genet. 36:40-45. Lykidis A., et al. (2001) J. Biol. Chem. 276:2174-2179.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

