# **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



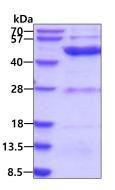
VRNFQLLRAH SCAPKLYCTF QNGLCYEYMQ GVALEPEHIR EPRLFRLIAL EMAKIHTIHA NGSLPKPILW HKMHNYFTLV KNEINPSLSA DVPKVEVLER ELAWLKEHLS QLESPVVFCH NDLLCKNIIY DSIKGHVRFI DYEYAGYNYQ AFDIGNHFNE FAGVNEVDYC LYPARETQLQ WLHYYLQAQK GMAVTPREVQ RLYVQVNKFA LASHFFWALW ALIQNQYSTI DFDFLRYAVI RFNQYFKVKP QASALEMPK

#### **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.

