

# Recombinant human ETNK2 protein

Catalog Number: ATGP3049

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-386aa

### UniProt No.

Q9NVF9

### NCBI Accession No.

NP\_060678.2

### Alternative Names

Ethanolamine kinase 2, EK12, HMFT1716

## PRODUCT SPECIFICATION

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### 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

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### 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 SGLVPRGSH MGS>MAVPPSA PQPRASFHLR RHTPCPQCSW GMEEKAAASA SCREPPGPPR  
AAAVAYFGIS VDPDDILPGA LRLIQELRPH WKPEQVTRTKR FTDGITNKLV ACYVEEDMQD CVLVRVYGER TELLVDRENE

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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

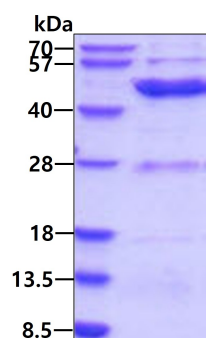
## General References

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.