

Recombinant human ETNK2 protein

Catalog Number: ATGP3049

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-386aa

UniProt No.

Q9NVF9

NCBI Accession No.

NP_060678

Alternative Names

Ethanolamine kinase 2, EK12, 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 SGLVPRGSH MGSMVPPSA PQPRASFHLR RHTPCQCSW GMEEKAAASA SCREPPGPPR AAVAYFGIS
VDPDDLPGA LRILQELRPH WKPEQVRTKR FTDGITNKLV ACYVEEDMQD CVLVRVYGER TELLVDRENE VRNFQLLRAH

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SCAPKLYCTF QNGLCYEYMQ GVALEPEHIR EPRLFRLIAL EMAKIHTIHA NGSLPKPILW HKMHNYFTLV KNEINPSLSA
DVPKVEVLER ELAWLKEHLS QLESPVVFCH NDLLCKNIIY DSIKGHVRFI DY EYAGYNYQ AFDIGNHFNE FAGVNEVDYC
LYPARETQLQ WLHYLQAQK 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

(kDa)

70
57
40
28
18
13.5
8.5



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

15% SDS-PAGE (3ug)