

Recombinant human TCL1A protein

Catalog Number: ATGP0391

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-114aa

UniProt No.

P56279

NCBI Accession No.

NP_001092195.1

Alternative Names

T-cell leukemia/lymphoma 1A, TCL1, TCL-1, protein p14TCL1, Oncogene TCL1, T-cell leukemia/lymphoma 1A anti TCL1A, P14 TCL1, P14 TCL1 protein, T cell leukemia 1, T cell lymphoma 1, T cell lymphoma 1A, TCL 1 protein, TCL1 oncogene, TCL1 PEN, TCL1A, TCL1A.

PRODUCT SPECIFICATION

Molecular Weight

13.4 kDa (114aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4)

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

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

TCL1A, also known as T-cell leukemia/lymphoma 1A, is a protein with a suggested role in intracellular regulation of T cell signaling. TCL1A binds to the pleckstrin homology domain of Akt (protein kinase B) family proteins, which facilitates Akt dimerization and activity. By increasing Akt activity TCL1A may enhance the serine/threonine phosphorylation of major Akt signaling substrates, such as Ikk complex, mTOR, BAD, p70S6

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kinase, FOXO transcription factors, and GSK3b. These substrates regulate cellular differentiation, growth, survival, and metabolism. Recombinant TCL1A protein was expressed in *E. coli* and purified by using conventional chromatography techniques

Amino acid Sequence

MAECPTLGEA VTDHPDRLWA WEKFVYLDEK QHAWLPLTIE IKDRLQLRVL LRREDVVLGR PMTPTQIGPS LLPIMWQLYP
DGRYRSSDSS FWRLVYHIKI DGVEDMLLEL LPDD

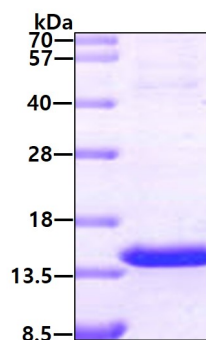
General References

Herling M., et al. (2006) *Leukemia*. 20(2):280-5.

Hoyer KK., et al. (2005) *J Immunol*. 175(2):864-73.

DATA

SDS-PAGE



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