

# Product Information



## Recombinant human TCL1A protein

Catalog Number: IBATGP0391

### PRODUCT INFORMATION

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**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

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**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

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**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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**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

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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

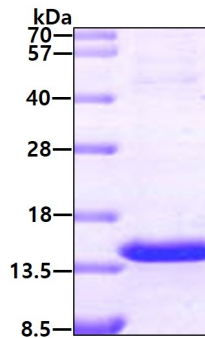
### General References

Herling M., et al. (2006) Leukemia. 20(2):280-5.  
Hoyer KK., et al. (2005) J Immunol. 175(2):864-73.

## DATA

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### SDS-PAGE



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

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