

Recombinant Human T-cell Leukemia/lymphoma 1A

Cat. No. TCL1A-1404H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TCL1A protein was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 13.4 kDa (114aa).
Species	Human
Source	<i>E.coli</i>
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 kinase, FOXO transcription factors, and GSK3b. These substrates regulate cellular differentiation, growth, survival, and metabolism.
Amino Acid Sequence	MAECPTLGEA VTDHPDRLWA WEKFVYLDEK QHAWLPLTIE IKDRLQLRVL LRREDVVLGR PMTPTQIGPS LLPIMWQLYP DGRYRSSDSS FWRLVYHIKI DGVEDMLEL LPDD
Form	Liquid. In 50mM Tris-HCl buffer (pH7.5) containing 10% glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

TCL1A T-cell leukemia/lymphoma 1A [Homo sapiens]

Synonyms

TCL1A; T-cell leukemia/lymphoma 1A; TCL1; T-cell lymphoma-1; T-cell lymphoma-1A; TCL-1; Oncogene TCL1; Protein p14 TCL1

Gene ID

8115

mRNA Refseq

NM_001098725

Protein Refseq

NP_001092195

MIM

186960

UniProt ID

P56279

**Chromosome
Location**

14q32.1

Function

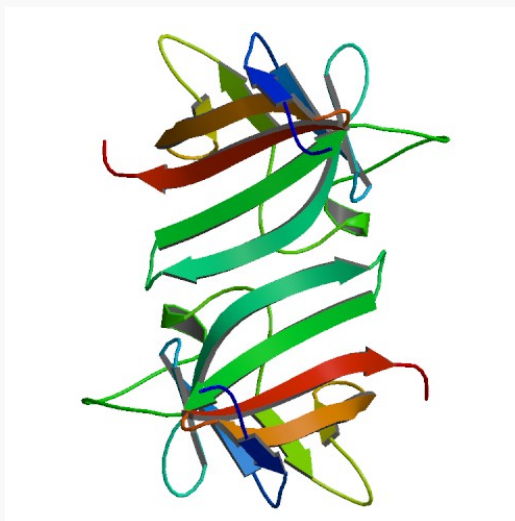
protein binding

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on 1jsg.



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