

**TCL1A, 1-114 aa, Human, Recombinant, E.coli**

**Cat.NO.: TP04170**

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3th Edition

**Synonyms:**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.

**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. Recombinant TCL1A protein was expressed in E.coli and purified by using conventional chromatography techniques

**Form:**Liquid. In 50mM Tris-HCl buffer (pH7.5) containing 10% glycerol

**Molecular Weight:**13.4 kDa (114aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)

**Sequences:**

MAECPTLGEAVTDHPDRLWAWKEFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLGRPMTPTQIGPSLLPIMW  
QLYPDGRYRSSDSSFWRVLVYHIKIDGVEDMLLELLPDD

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.