

# PRODUCT DATA SHEET



Complex Biotech Co., Ltd

## TCL1A Recombinant Protein

Catalog: BCP3535

Host: E.coli

Tag: His-tag

### BackGround:

TCL1 (T cell leukemia 1), MTCP1 and TCL1b belong to the TCL1 proto-oncogene family, and their products are involved in Akt activation during embryonic development, T cell leukemias, prolymphocytic leukemias and B cell lymphomas. The Akt association domain of TCL1 binds with the PH domain of Akt. The formation of an oligomeric TCL-Akt complex is required for TCL1 coactivator function and results in phosphorylation and activation of Akt. Furthermore, functional analysis indicates that the interaction between TCL1 and Akt promotes translocation of Akt to the nucleus. These findings are supported by the crystal structure of TCL1, which suggests that TCL1 may participate in molecular transport.

### Product:

0.5M Urea, PH7.4

### Molecular Weight:

~17kDa

### Swiss-Prot:

P56279

### Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

### Restriction Sites:

NdeI-XhoI

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Expression Vector:

pet-22b(+)

### DATA:

### Note:

For research use only, not for use in diagnostic procedure.