

## 32-4248: Recombinant Human Mature T-Cell Proliferation 1

**Alternative Name** : Mature T-Cell Proliferation 1, Mature T-Cell Proliferation-1 Type B1, MTCP-1 Type B1, P13MTCP1, Mature T-Cell Proliferation 1 Isoform P13, p8MTCP1, Protein P13 MTCP-1, C6.1B, p13MTCP1.

### Description

Source : Escherichia Coli. MTCP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 130 amino acids (1-107a.a) and having a molecular mass of 15.0kDa. MTCP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Mature T-Cell Proliferation 1, also known as MTCP1 was recognized by involvement in some t(X;14) translocations linked with mature T-cell proliferations. This region has a complex gene structure, with a common promoter and 5' exon spliced to two dissimilar sets of 3' exons which encode two different proteins. It represents the upstream 13 kDa protein which belongs to the TCL1 family. In addition, MTCP1 enhances the phosphorylation and activation of AKT1 and AKT2. MTCP1 is involved in leukemogenesis. Among the diseases associated with MTCP1 are queensland tick typhus, and african tick-bite fever.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95% as determined by SDS-PAGE.
<b>Content :</b>	MTCP1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SGLVPRGSH MGSMAGEDVG APPDHLWVHQ EGIYRDEYQR TWVAVVEEET SFLRARVQQI QVPLGDAARP SHLLTSQLPL MWQLYPEERY MDNNSRLWQI QHHLMVRGVQ ELLLKLLPDD

