

## 32-2848: THTPA Recombinant Protein

**Alternative Name :** MGC2652, THTP, THTPASE.

### Description

Source : Escherichia Coli. Recombinant Human THTPA produced in E.Coli is a single, non-glycosylated polypeptide chain containing 250 amino acids (1-230 a.a.) and having a molecular mass of 27.7 kDa. THTPA is fused to a 20 amino acid His-Tag at N-Terminus and purified by conventional chromatography techniques. THTPA enzyme is part of the THTPase family. THTPA is localized to the cytoplasm and expressed at small quantities in a variety of tissues, including testis, uterus, prostate, bladder, lung and kidney. THTPA is a hydrolase that catalyzes the H<sub>2</sub>O-dependent hydrolysis of thiamine triphosphate (THTP) to thiamine diphosphate (THDP), the main form of thiamine within the cell. THTPA occurs as a monomer and is activated at an optimal pH of 8.5.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	The THTPA 1mg/ml protein solution contains 20mM Tris-HCL buffer, pH-8, 1mM DTT and 10% Glycerol.
<b>Storage condition :</b>	Store THTPA 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). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MAQGLIEVER KFLPGPGTEE RLQELGGTLE YRVTFRDITY DPELSLMQA DHWLRRREDS GWELKCPGAA GVLGPHTEYK ELTAEPTIVA QLCKVLRADG LGAGDVAAVL GPLGLQEVAS FVTKRSAWKL VLLGADEEEP QLRVDLDTAD FGYAVGEVEA LVHEEAHVPT ALEKIHRLSS MLGVPAQETA PAKLIVYLQR FRPDYQRLL EVNSSRERPO ETEDPDHCLG.