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THTPA, 1-230aa, Human, His tag, E.coli

产品货号: TP04210

第三版

别名:MGC2652, THTP, THTPASE, Thiamine-triphosphatase

**描述:**THTPA, also known as THTP or THTPASE, is a member of the THTPase family. This protein is localized to the cytoplasm and expressed at low levels 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 major form of thiamine within the cell. THTPA exists as a monomer and functions at an optimal pH of 8.5. Recombinant human THTPA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:**Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT

**分子量:**27.7 kDa (250aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

**序列:**

MGSSHHHHHSSGLVPRGSHMAQGLIEVERKFLPGPGTEERLQELGGTLEYRVTFRDYYDTPELSLMQADHWLRRRED  
SGWELKCPGAAGVLGPHTEYKELTAEPTIVAQLCKVLRADGLGAGDVA AVLGPLGLQEVA SFVTKRSAWKL VLLGADEE  
EPQLRVDLDTADFGYAVGEVEALVHEEA EVPTALEKIHRLSSMLGVPAQETAPAKLIVYLRFRPQDYQRLLLEVNSSRERP  
QETEDPDHCLG

**纯度:**> 95% by HPLC

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

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

**存储:** +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.