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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 H2O-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

Amount :	25 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The THTPA 1mg/ml protein solution contains 20mM Tris-HCL buffer, pH-8, 1mM DTT and 10% Glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MAQGLIEVER KFLPGPGTEE RLQELGGTLE YRVTFRDTYY DTPELSLMQA DHWLRRREDS GWELKCPGAA GVLGPHTEYK ELTAEPTIVA QLCKVLRADG LGAGDVAAVL GPLGLQEVAS FVTKRSAWKL VLLGADEEEP QLRVDLDTAD FGYAVGEVEA LVHEEAEVPT ALEKIHRLSS MLGVPAQETA PAKLIVYLQR FRPQDYQRLL EVNSSRERPQ ETEDPDHCLG.

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