

Recombinant Mouse Thtpa Protein, MYC/DDK-tagged

Cat. No. Thtpa-282M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse thiamine triphosphatase (Thtpa), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a cytosolic enzyme that catalyzes the conversion of thiamine triphosphate to thiamine diphosphate. The encoded protein requires divalent cations for enzymatic activity. The gene product is believed to play a role in regulation of thiamine triphosphate intracellular concentration, and it may be a messenger in cell signaling in response to cellular stress.
Molecular Mass	24.3 kDa
Purity	>80%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Thtpa thiamine triphosphatase [Mus musculus (house mouse)]
Official Symbol	Thtpa
Synonyms	Thtpa ; thiamine triphosphatase; AW122966; thiamine-triphosphatase; ThTPase; EC 3.6.1.28
Gene ID	105663
mRNA Refseq	NM_153083
Protein Refseq	NP_694723
UniProt ID	Q8JZL3

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