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Product datasheet for PH300849

THTPA (NM_024328) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	THTPA MS Standard C13 and N15-labeled recombinant protein (NP_077304)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200849
Predicted MW:	25.6 kDa
Protein Sequence:	>RC200849 protein sequence Red=Cloning site Green=Tags(s) MAQGLIEVERKFLPGPGTEERLQELGGTLEYRVTFRDTYYDTPELSLMQADHWLRRREDSGWELKCPGAA GVLGPHTEYKELTAEPTIVAQLCKVLRADGLGAGDVAAVLGPLGLQEVASFVTKRSAWKLVLLGADEEEP QLRVDLDTADFGYAVGEVEALVHEEAEVPTALEKIHRLSSMLGVPAQETAPAKLIVYLQRFRPQDYQRLL EVNSSRERPQETEDPDHCLG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_077304
RefSeq Size:	2228
RefSeq ORF:	690
Synonyms:	THTP; THTPASE
Locus ID:	79178
UniProt ID:	Q9BU02

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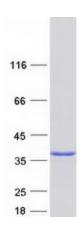|	
Cytogenetics:	14q11.2
Summary:	This gene encodes an enzyme which catalyzes the biosynthesis of thiamine disphophate (vitamin B1) by hydrolysis of thiamine triphosphate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011]
Protein Pathways:	Metabolic pathways, Thiamine metabolism

Product images:

Coomassie blue staining of purified THTPA protein (Cat# [TP300849]). The protein was produced from HEK293T cells transfected with THTPA cDNA clone (Cat# [RC200849]) using MegaTran 2.0 (Cat# [TT210002]).