

Product datasheet for PH309396

THEM4 (NM_053055) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	THEM4 MS Standard C13 and N15-labeled recombinant protein (NP_444283)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209396
Predicted MW:	26.9 kDa
Protein Sequence:	>RC209396 representing NM_053055 Red=Cloning site Green=Tags(s) MLRSCAARLRTL GALCRPPVGRRLPGSEPRPELRSFSSEEVILKDCSVPNPSWNKDLRLLFDQFMKKCED GSWKRLPSYKRTPTEWIQDFKTHFLDPKLMKEEQMSQAQLFTRSFDDGLGFEYVMFYNDIEKRMVCLFQG GPYLEGPPGFIHGGAIATMIDATVGMCAMMAGGI VMTANLNIN YKRPIPLCSVVMINSQLDKVEGRKFFV SCNVQSVDEKTL YSEATSLFIKLNPAKSLT TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_444283
RefSeq Size:	2224
RefSeq ORF:	720
Synonyms:	CTMP
Locus ID:	117145
UniProt ID:	Q5T1C6 , A8K0C9



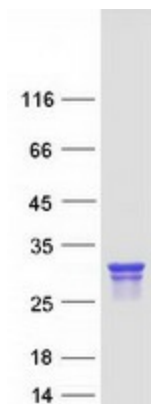
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Cytogenetics: 1q21.3

Summary: Protein kinase B (PKB) is a major downstream target of receptor tyrosine kinases that signal via phosphatidylinositol 3-kinase. Upon cell stimulation, PKB is translocated to the plasma membrane, where it is phosphorylated in the C-terminal regulatory domain. The protein encoded by this gene negatively regulates PKB activity by inhibiting phosphorylation. Transcription of this gene is commonly downregulated in glioblastomas. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified THEM4 protein (Cat# [TP309396]). The protein was produced from HEK293T cells transfected with THEM4 cDNA clone (Cat# [RC209396]) using MegaTran 2.0 (Cat# [TT210002]).