

Product datasheet for PH301595

MNAT1 (NM_002431) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MNAT1 MS Standard C13 and N15-labeled recombinant protein (NP_002422)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201595
Predicted MW:	35.8 kDa
Protein Sequence:	>RC201595 protein sequence Red=Cloning site Green=Tags(s) MDDQGCPRCKTTKYRNPSLKL MNVNCGHTLCESCVDLLFVRGAGNCECGTPLRKS NFRVQLFEDPTV DK EVEIRKKVLKIY NKREEDFPSLREYND FLEEVEEIVFNLTNNVDLDNTKKKMEIYQKENKVDIQKNLKL TREQEEL EEALEVERQENEQRRLFIQKEEQ LQQILKRKNKQAFLELESSDLPVALLLAQH KDRSTQLEM QLEKPKPVKPVTFSTGIKMGQHISLAPIHKLEEALYEYQPLQIETYGPHVPELEMLGRLGYLNHVRAASP QDLAGGYTSSLACHRALQDAFSGLFWQPS 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_002422
RefSeq Size:	1397
RefSeq ORF:	927
Synonyms:	CAP35; MAT1; RNF66; TFB3
Locus ID:	4331



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UniProt ID: [P51948](#), [A0A024R688](#)

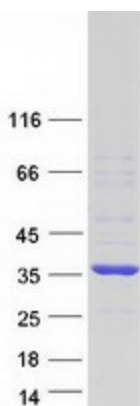
Cytogenetics: 14q23.1

Summary: The protein encoded by this gene, along with cyclin H and CDK7, forms the CDK-activating kinase (CAK) enzymatic complex. This complex activates several cyclin-associated kinases and can also associate with TFIIH to activate transcription by RNA polymerase II. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Protein Pathways: Nucleotide excision repair

Product images:



Coomassie blue staining of purified MNAT1 protein (Cat# [TP301595]). The protein was produced from HEK293T cells transfected with MNAT1 cDNA clone (Cat# [RC201595]) using MegaTran 2.0 (Cat# [TT210002]).