

## Product datasheet for TP301595

### MNAT1 (NM\_002431) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human menage a trois homolog 1, cyclin H assembly factor (Xenopus laevis) (MNAT1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201595 protein sequence Red=Cloning site Green=Tags(s)

MDDQGCPRCKTTKYRNPSLKLMMVNVCGHTLCESCVDLLFVRGAGNCPECGTPLRKS NFRVQLFEDPTVDK  
EVEIRKKVLKIYNKREEDFPSLREYNDFL EEVEEIVFNLTNNVDLDNTKKKMEIYQKENKDVIQKNKLLK  
TREQEELEEAL EVERQENEQRRLFIQKEEQ LQQILKRKNKQAF LDELESSDLPVALLLAQHKDRSTQLEM  
QLEKPKPVKPVTFSTGIKMGQHISLAPIHKLE EALYEQPLQIETYGPHVPELEMLGRLGYLNHVRAASP  
QDLAGGYTSSLACHRALQDAFSGLFWQPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	35.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_002422</a>
Locus ID:	4331



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

RefSeq Size: 1397

Cytogenetics: 14q23.1

RefSeq ORF: 927

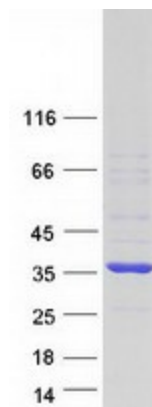
Synonyms: CAP35; MAT1; RNF66; TFB3

**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]).