

# Recombinant Full Length Human MNAT1 Protein, C-Flag-tagged

**Cat. No.** MNAT1-1637HFL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Recombinant Full Length Human MNAT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.

### Species

Human

### Source

Mammalian Cells

### Description

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 TFIIF to activate transcription by RNA polymerase II. Two transcript variants encoding different isoforms have been found for this gene.

### Form

25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.

### Molecular Mass

35.6 kDa

### AA Sequence

MDDQGCPRCKTTKYRNPSLKL MVNVCGHTLCESCVDLLFVRGAGNCPECGTPLRK  
 SNFRVQLFEDPTVDK EVEIRKKVLKIYNKREEDFPSLREYND FLEEVEEIVFNLTNNV  
 DLNNTKKKMEIYQKENKDVIQKNK LKL TREQEELEEAL EVERQENEQRRLFIQKEEQ  
 LQQILKRKNKQAF LDELESSDLPVALLLAQHKDRSTQLEM QLEKPKPKVPVTFSTGI  
 KMGQHISLAPIHKLEEALYEQPLQIETYGPHVPELEMLGRLGYLNHVRAASP  
 QDLAGGYTSSLACHRALQDAFSGLFWQPSTRTRPLEQKLISEEDLAANDILDYKDDD  
 DKV

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
<b>Protein Pathways</b>	Nucleotide excision repair
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	MNAT1 MNAT1 component of CDK activating kinase [ Homo sapiens (human) ]
<b>Official Symbol</b>	MNAT1
<b>Synonyms</b>	MAT1; TFB3; CAP35; RNF66
<b>Gene ID</b>	4331
<b>mRNA Refseq</b>	NM_002431.4
<b>Protein Refseq</b>	NP_002422.1

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<b>MIM</b>	602659
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<b>UniProt ID</b>	P51948
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