

Datasheet for ABIN7549198  
**MNAT1 Protein (AA 1-309) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	MNAT1
Protein Characteristics:	AA 1-309
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MNAT1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant MNAT1 Protein expressed in mammalian cells.
Sequence:	<p>MDDQGCPRCK TTKYRNPSLK LMVNVCGHTL CESCVDLLFV RGAGNCPECG TPLRKS NFRV            QLFEDPTVDK EVEIRKKVLK IYNKREEDFP SLREYND FLE EVEEIVFNLT NNVLDNTKK            KMEIQKENK DVIQKNK LKL TREQEELEEA LEVERQENEQ RRLFIQKEEQ LQQILKRKNK            QAFLELESS DLPVALLLAQ HKDRSTQLEM QLEKPKPVKP VTFSTGIKMG QHISLAPIHK            LEEALYEQP LQIETYGPHV PELEMLGRLG YLNHVRAASP QDLAGGYTSS LACHRALQDA            FSGLFWQPS <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	MNAT1
Alternative Name:	MNAT1 ( <a href="#">MNAT1 Products</a> )
Background:	CDK-activating kinase assembly factor MAT1 (CDK7/cyclin-H assembly factor) (Cyclin-G1-interacting protein) (Menage a trois) (RING finger protein 66) (RING finger protein MAT1) (p35) (p36),FUNCTION: Stabilizes the cyclin H-CDK7 complex to form a functional CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIIH basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive C-terminal domain (CTD) of its large subunit (POLR2A), allowing its escape from the promoter and elongation of the transcripts. Involved in cell cycle control and in RNA transcription by RNA polymerase II. {ECO:0000269 PubMed:10024882}.
Molecular Weight:	35.8 kDa
UniProt:	<a href="#">P51948</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">M Phase</a>

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## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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