

Recombinant Mouse Mnat1 Protein, Myc/DDK-tagged

Cat. No. Mnat1-4102M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length menage a trois 1 (Mnat1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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-TFIIB 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.
Molecular Mass	36.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Mnat1 menage a trois 1 [*Mus musculus* (house mouse)]

Official Symbol Mnat1

Synonyms Mnat1; menage a trois 1; MAT; P36; MAT1; E130115E11Rik; CDK-activating kinase assembly factor MAT1; CDK7/cyclin-H assembly factor; RING finger protein MAT1; p35

Gene ID 17420

mRNA Refseq NM_008612

Protein Refseq NP_032638

UniProt ID P51949

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