

Recombinant Human MNAT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MNAT1-3745H Lot. No. (See product label)

SPECIFICATION

Product Overview

MNAT1 MS Standard C13 and N15-labeled recombinant protein (NP_002422) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

35.8 kDa

AA Sequence

MDDQGCPKCKTTKYRNPSLKLMMVNVCGHTLCESCVDLLFVRGAGNCPECGTPLRK
SNFRVQLFEDPTVDKEVEIRKKVLKIYNKREEDFPSLREYNDFFLEEVEEIVFNLTNNV
DLNNTKKKMEIYQKENKDVIQKNKLLKLTREQEELEEALEVERQENEQRRLFIQKEEQ
LQQILKRKNKQAFLEESSDLPVALLLAQHKDRSTQLEMQLKPKPKPVPVTFSTGIK
MGQHISLAPIHKLEALYEQPLQIETYGPHVPELEMLGRLGYLNHVRAASPDLAG
GYTSSLACHRALQDAFSGFLFWQPSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	MNAT1 MNAT1 component of CDK activating kinase [Homo sapiens (human)]
Official Symbol	MNAT1
Synonyms	MNAT1; MNAT1 component of CDK activating kinase; MAT1; TFB3; CAP35; RNF66; CDK-activating kinase assembly factor MAT1; CDK7/cyclin-H assembly factor; MNAT CDK-activating kinase assembly factor 1; MNAT1, CDK activating kinase assembly factor; RING finger protein 66; RING finger protein MAT1; cyclin G1 interacting protein; menage a trois 1 (CAK assembly factor); menage a trois homolog 1, cyclin H assembly factor; menage a trois-like protein 1 cyclin H assembly factor
Gene ID	4331
mRNA Refseq	NM_002431
Protein Refseq	NP_002422
MIM	602659
UniProt ID	P51948

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SDS-PAGE



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