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 TFIIH 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	MDDQGCPRCKTTKYRNPSLKLMVNVCGHTLCESCVDLLFVRGAGNCPECGTPLRK SNFRVQLFEDPTVDKEVEIRKKVLKIYNKREEDFPSLREYNDFLEEVEEIVFNLTNNV DLDNTKKKMEIYQKENKDVIQKNKLKLTREQEELEEALEVERQENEQRRLFIQKEEQ LQQILKRKNKQAFLDELESSDLPVALLLAQHKDRSTQLEMQLEKPKPVKPVTFSTGIK MGQHISLAPIHKLEEALYEYQPLQIETYGPHVPELEMLGRLGYLNHVRAASPQDLAG GYTSSLACHRALQDAFSGLFWQPSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

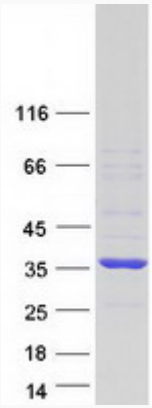
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM 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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