Recombinant Human MNAT1 293 Cell Lysate

Cat. No. MNAT1-4271HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for menage a trois homolog 1, cyclin H assembly factor (Xenopus laevis) (MNAT1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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	mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	MNAT1 menage a trois homolog 1, cyclin H assembly factor (Xenopus laevis) [Homo sapiens]
Official Symbol	MNAT1
Synonyms	MAT1; TFB3; CAP35; RNF66
Gene ID	4331
mRNA Refseq	NM_002431.3
Protein Refseq	NP_002422.1
MIM	602659
UniProt ID	P51948
Chromosome Location	14q23
Pathway	Basal transcription factors, organism-specific biosystem;Basal transcription factors, conserved biosystem;Cell Cycle, organism-specific biosystem;Cell Cycle, Mitotic, organism-specific biosystem;Cyclin A/B1 associated events during G2/M transition, organism-specific biosystem;Cyclin A:Cdk2-associated events at S phase entry, organism-specific biosystem;Cyclin D associated events in G1, organism-specific biosystem;

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Function	contributes_to DNA-dependent ATPase activity;contributes_to RNA polymerase II carboxy-terminal domain kinase activity;protein N-terminus binding;protein binding;contributes_to protein kinase activity;

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