Recombinant Human MNAT1 293 Cell Lysate

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

SPECIFICATION

Product Overview	
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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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 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

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	biosystem;
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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