Recombinant Human MAT2B 293 Cell Lysate

Cat. No. MAT2B-4452HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for methionine adenosyltransferase II, beta (MAT2B), transcript variant 1 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.

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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	MAT2B methionine adenosyltransferase II, beta [Homo sapiens]
Official Symbol	MAT2B
Synonyms	MAT2B; methionine adenosyltransferase II, beta; methionine adenosyltransferase 2 subunit beta; MATIIbeta; SDR23E1; short chain dehydrogenase/reductase family 23E; member 1; MAT II beta; putative protein product of Nbla02999; dTDP-4-keto-6-deoxy-D-glucose 4-reductase; putative dTDP-4-keto-6-deoxy-D-glucose 4-reductase; short chain dehydrogenase/reductase family 23E, member 1; beta regulatory subunit of methionine adenosyltransferase; TGR; MAT-II; Nbla02999; MGC12237;
Gene ID	27430
mRNA Refseq	NM_013283
Protein Refseq	NP_037415
MIM	605527
UniProt ID	Q9NZL9
Chromosome Location	5q34-q35
Pathway	Biological oxidations, organism-specific biosystem; Cysteine and methionine

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	metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Methionine degradation, organism-specific biosystem;
Function	dTDP-4-dehydrorhamnose reductase activity; methionine adenosyltransferase regulator activity; nucleotide binding; protein binding;

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