

## Recombinant Human MAT2B 293 Cell Lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 metabolism, organism-specific biosystem](#); [Cysteine and methionine metabolism, conserved biosystem](#); [Metabolic pathways, organism-specific biosystem](#); [Metabolism,](#)

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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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