

Recombinant Human MMAB 293 Cell Lysate

Cat. No. MMAB-4285HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for methylmalonic aciduria (cobalamin deficiency) cb1B type (MMAB), nuclear gene encoding mitochondrial protein 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

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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 MMAB methylmalonic aciduria (cobalamin deficiency) cblB type [Homo sapiens]

Official Symbol MMAB

Synonyms MMAB; methylmalonic aciduria (cobalamin deficiency) cblB type; methylmalonic aciduria (cobalamin deficiency) type B; cob(I)yrinic acid a,c-diamide adenosyltransferase, mitochondrial; ATP:cob(I)alamin adenosyltransferase; cblB; ATP:corrinoid adenosyltransferase; methylmalonic aciduria type B protein; aquocob(I)alamin vitamin B12s adenosyltransferase; ATR; cob; MGC20496;

Gene ID 326625

mRNA Refseq NM_052845

Protein Refseq NP_443077

MIM 607568

UniProt ID Q96EY8

Chromosome Location 12q24

Pathway Metabolic pathways, organism-specific biosystem; Porphyrin and chlorophyll metabolism, organism-specific biosystem; Porphyrin and chlorophyll metabolism, conserved biosystem;

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Function

ATP binding; cob(I)yrinic acid a,c-diamide adenosyltransferase activity; nucleotide binding; transferase activity;

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