Recombinant Human MTRR 293 Cell Lysate

Cat. No. MTRR-4065HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for 5-methyltetrahydrofolate-homocysteine methyltransferase reductase (MTRR), transcript variant 2 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	MTRR 5-methyltetrahydrofolate-homocysteine methyltransferase reductase [Homo sapiens]
Official Symbol	MTRR
Synonyms	MTRR; 5-methyltetrahydrofolate-homocysteine methyltransferase reductase; methionine synthase reductase; cblE; methionine synthase reductase, mitochondrial; [methionine synthase]-cobalamin methyltransferase (cob(II)alamin reducing); MSR; MGC129643;
Gene ID	4552
mRNA Refseq	NM_002454
Protein Refseq	NP_002445
MIM	602568
UniProt ID	Q9UBK8
Chromosome Location	5p15.31
Pathway	Folate Metabolism, organism-specific biosystem; One Carbon Metabolism, organism-specific biosystem;
Function	FMN binding; NADP binding; [methionine synthase] reductase activity; flavin adenine

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	dinucleotide binding; flavin adenine dinucleotide binding; iron ion binding; oxidoreductase activity; oxidoreductase activity, oxidizing metal ions, NAD or NADP as acceptor;

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