Recombinant Human MOCS3 293 Cell Lysate

Cat. No. MOCS3-4259HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for molybdenum cofactor synthesis 3 (MOCS3) 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	MOCS3 molybdenum cofactor synthesis 3 [Homo sapiens]
Official Symbol	MOCS3
Synonyms	MOCS3; molybdenum cofactor synthesis 3; adenylyltransferase and sulfurtransferase MOCS3; dJ914P20.3; UBA4; ubiquitin activating enzyme E1 homolog (yeast); ubiquitin like modifier activating enzyme 4; MPT synthase sulfurylase; molybdopterin synthase sulfurylase; molybdenum cofactor synthesis protein 3; ubiquitin-like modifier activating enzyme 4; UBA4, ubiquitin-activating enzyme E1 homolog; MGC9252;
Gene ID	27304
mRNA Refseq	NM_014484
Protein Refseq	NP_055299
MIM	609277
UniProt ID	O95396
Chromosome Location	20q13.13
Pathway	Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors,

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	organism-specific biosystem; Molybdenum cofactor biosynthesis, organism-specific biosystem; Sulfur relay system, organism-specific biosystem; Sulfur relay system, conserved biosystem; molybdenum cofactor biosynthesis, conserved biosystem;
Function	ATP binding; URM1 activating enzyme activity; metal ion binding; nucleotide binding; nucleotidyltransferase activity; protein binding; sulfurtransferase activity; sulfurtransferase activity; thiosulfate sulfurtransferase activity; transferase activity;

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