Recombinant Human MOS 293 Cell Lysate

Cat. No. MOS-4247HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for v-mos Moloney murine sarcoma viral oncogene homolog (MOS) 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	MOS v-mos Moloney murine sarcoma viral oncogene homolog [Homo sapiens]
Official Symbol	MOS
Synonyms	MOS; v-mos Moloney murine sarcoma viral oncogene homolog; proto-oncogene serine/threonine-protein kinase mos; c-mos; proto-oncogene c-Mos; oocyte maturation factor mos; oncogene MOS, Moloney murine sarcoma virus; MSV; MGC119962; MGC119963;
Gene ID	4342
mRNA Refseq	NM_005372
Protein Refseq	NP_005363
MIM	190060
UniProt ID	P00540
Chromosome Location	8q11
Pathway	MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Oocyte meiosis, organism-specific biosystem; Oocyte meiosis, conserved biosystem;

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	Progesterone-mediated oocyte maturation, organism-specific biosystem; Progesterone-mediated oocyte maturation, conserved biosystem;
Function	ATP binding; nucleotide binding; protein serine/threonine kinase activity;

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