Recombinant Human MED7 293 Cell Lysate

Cat. No. MED7-4379HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for mediator complex subunit 7 (MED7), 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.

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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	MED7 mediator complex subunit 7 [Homo sapiens]
Official Symbol	MED7
Synonyms	MED7; mediator complex subunit 7; cofactor required for Sp1 transcriptional activation, subunit 9, 33kDa , CRSP9; mediator of RNA polymerase II transcription subunit 7; CRSP33; CRSP complex subunit 9; transcriptional coactivator CRSP33; activator-recruited cofactor 34 kDa component; cofactor required for Sp1 transcriptional activation subunit 9; RNA polymerase transcriptional regulation mediator subunit 7 homolog; cofactor required for Sp1 transcriptional activation, subunit 9 (33kD); cofactor required for Sp1 transcriptional activation, subunit 9, 33kDa; ARC34; CRSP9; MGC12284;
Gene ID	9443
mRNA Refseq	NM_001100816
Protein Refseq	NP_001094286
MIM	605045
UniProt ID	O43513
Chromosome Location	5q33.3

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Pathway	Developmental Biology, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPARA Activates Gene Expression, organism-specific biosystem;
Function	RNA polymerase II transcription cofactor activity; protein binding; transcription coactivator activity;

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