

Recombinant Human MED21 293 Cell Lysate

Cat. No. MED21-4388HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for mediator complex subunit 21 (MED21) 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

MED21 mediator complex subunit 21 [Homo sapiens]

Official Symbol

MED21

Synonyms

MED21; mediator complex subunit 21; SRB7 (suppressor of RNA polymerase B, yeast) homolog , SRB7 suppressor of RNA polymerase B homolog (yeast) , SURB7; mediator of RNA polymerase II transcription subunit 21; SRB7; hSrb7; RNAPII complex component SRB7; RNA polymerase II complex component SRB7; RNA polymerase II holoenzyme component SRB7; SRB7 suppressor of RNA polymerase B homolog; SURB7;

Gene ID

9412

mRNA Refseq

NM_004264

Protein Refseq

NP_004255

MIM

603800

UniProt ID

Q13503

**Chromosome
Location**

12p12

Pathway

Developmental Biology, organism-specific biosystem; Fatty acid, triacylglycerol, and

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ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPARA Activates Gene Expression, organism-specific biosystem; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha), organism-specific biosystem; Transcriptional Regulation of White Adipocyte Differentiation, organism-specific biosystem;

Function

DNA-directed RNA polymerase activity; transcription coactivator activity;

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