

Recombinant Human SMCR7L 293 Cell Lysate

Cat. No. MIEF1-1663HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for Smith-Magenis syndrome chromosome region, candidate 7-like (SMCR7L) 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

[MIEF1 mitochondrial elongation factor 1 \[Homo sapiens \]](#)

Official Symbol

MIEF1

Synonyms

MID51; SMCR7L; HSU79252; dJ1104E15.3; mitochondrial dynamics protein MID51; SMCR7-like protein; mitochondrial dynamic protein MID51; mitochondrial dynamic protein of 51 kDa; mitochondrial dynamics protein of 51 kDa; Smith-Magenis syndrome chromosome region, candidate 7-like; smith-Magenis syndrome chromosomal region candidate gene 7 protein-like

Gene ID

[54471](#)

mRNA Refseq

[NM_019008](#)

Protein Refseq

[NP_061881](#)

MIM

[615497](#)

UniProt ID

[Q9NQG6](#)

**Chromosome
Location**

22q13

Function

ADP binding; GDP binding; identical protein binding

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