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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