Recombinant Human MID1 293 Cell Lysate

Cat. No. MID1-4321HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for midline 1 (Opitz/BBB syndrome) (MID1), transcript variant 1 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	MID1 midline 1 (Opitz/BBB syndrome) [Homo sapiens]
Official Symbol	MID1
Synonyms	MID1; midline 1 (Opitz/BBB syndrome); midline-1; FXY; OS; RNF59; TRIM18; RING finger protein 59; midline 1 RING finger protein; tripartite motif protein TRIM18; putative transcription factor XPRF; tripartite motif-containing protein 18; zinc finger on X and Y, mouse, homolog of; OSX; OGS1; XPRF; BBBG1; GBBB1; MIDIN; ZNFXY; FLJ57031; FLJ58683; FLJ76288;
Gene ID	4281
mRNA Refseq	NM_000381
Protein Refseq	NP_000372
MIM	300552
UniProt ID	O15344
Chromosome Location	Xp22
Pathway	Ubiquitin mediated proteolysis, organism-specific biosystem; Ubiquitin mediated proteolysis, conserved biosystem;

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Function	ligase activity; metal ion binding; ubiquitin protein ligase binding; zinc ion binding;

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