Recombinant Human MLX 293 Cell Lysate

Cat. No. MLX-4287HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for MAX-like protein X (MLX), 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	MLX MAX-like bHLHZIP protein [Homo sapiens]
Official Symbol	MLX
Synonyms	MAD7; MXD7; TCFL4; bHLHd13; max-like protein X; BigMax protein; MAX-like bHLHZIP protein; transcription factor-like protein 4; class D basic helix-loop-helix protein 13
Gene ID	29955
mRNA Refseq	NM_198204
Protein Refseq	NP_937847
MIM	602976
UniProt ID	Q9UH92
Chromosome Location	17q21.1
Function	DNA binding; RNA polymerase II regulatory region sequence-specific DNA binding; protein heterodimerization activity

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