

Recombinant Human MAFA 293 Cell Lysate

Cat. No. MAFA-4562HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for v-maf musculoaponeurotic fibrosarcoma oncogene homolog A (avian) (MAFA) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name MAFA v-maf musculoaponeurotic fibrosarcoma oncogene homolog A (avian) [Homo sapiens]

Official Symbol MAFA

Synonyms MAFA; v-maf musculoaponeurotic fibrosarcoma oncogene homolog A (avian); transcription factor MafA; hMafA; RIPE3b1; transcription factor RIPE3b1; pancreatic beta-cell-specific transcriptional activator;

Gene ID 389692

mRNA Refseq NM_201589

Protein Refseq NP_963883

MIM 610303

UniProt ID Q8NHW3

Chromosome Location 8q24.3

Pathway Developmental Biology, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Regulation of beta-cell development, organism-specific biosystem; Regulation of gene expression in beta cells, organism-specific biosystem; Type II diabetes mellitus, organism-specific biosystem; Type II diabetes mellitus, conserved

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biosystem;

Function

DNA binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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