

Recombinant Human LEF1 293 Cell Lysate

Cat. No. LEF1-4778HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for lymphoid enhancer-binding factor 1 (LEF1), 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.
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	LEF1 lymphoid enhancer-binding factor 1 [Homo sapiens]
Official Symbol	LEF1
Synonyms	LEF1; lymphoid enhancer-binding factor 1; TCF1ALPHA; TCF7L3; TCF10; TCF1-alpha; T cell-specific transcription factor 1-alpha; LEF-1; FLJ46390; DKFZp586H0919;
Gene ID	51176
mRNA Refseq	NM_001130713
Protein Refseq	NP_001124185
UniProt ID	Q9UJU2
Chromosome Location	4q23-q25
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Basal cell carcinoma, organism-specific biosystem;
Function	C2H2 zinc finger domain binding; DNA binding; DNA binding, bending; armadillo

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repeat domain binding; beta-catenin binding; beta-catenin binding; chromatin binding; cysteine-type endopeptidase inhibitor activity involved in apoptotic process; enhancer binding; estrogen receptor activity; estrogen receptor binding; gamma-catenin binding; histone binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription factor binding; transcription regulatory region DNA binding;

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