

Recombinant Human LEF1 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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;

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Function

C2H2 zinc finger domain binding; DNA binding; DNA binding, bending; armadillo 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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