

Recombinant Human SPI1 cell lysate

Cat. No. SPI1-1683HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Description	This gene encodes an ETS-domain transcription factor that activates gene expression during myeloid and B-lymphoid cell development. The nuclear protein binds to a purine-rich sequence known as the PU-box found near the promoters of target genes, and regulates their expression in coordination with other transcription factors and cofactors. The protein can also regulate alternative splicing of target genes. Multiple transcript variants encoding different isoforms have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SPI1 spleen focus forming virus (SFFV) proviral integration oncogene spi1 [Homo sapiens]
Official Symbol	SPI1
Synonyms	SPI1; spleen focus forming virus (SFFV) proviral integration oncogene spi1; transcription factor PU.1; 31 kDa transforming protein; hematopoietic transcription

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

factor PU.1; OF; PU.1; SFPI1; SPI 1; SPI 1 proto oncogene; SPI A; SPI-1 proto-oncogene; 31 kDa-transforming protein; SPI-1; SPI-A;

Gene ID

6688

mRNA Refseq

NM_001080547

Protein Refseq

NP_001074016

MIM

165170

UniProt ID

P17947

**Chromosome
Location**

11p12-p11.22

Pathway

Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; C-MYB transcription factor network, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; IL-3 Signaling Pathway, organism-specific biosystem;

Function

NFAT2 protein binding; RNA binding; RNA polymerase II distal enhancer sequence-specific DNA binding; RNA polymerase II transcription factor binding; core promoter 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;

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