

Recombinant human PU.1/SPI1 protein

Catalog Number: ATGP2969

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-271aa

UniProt No.

P17947

NCBI Accession No.

NP_001074016

Alternative Names

Transcription factor Pu.1 isoform 1, OF, Pu.1, SFPI1, SPI-1, SPI-A, Spi-1 proto-oncogene

PRODUCT SPECIFICATION

Molecular Weight

33.6 kDa (294aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SPI1 also known as transcription factor Pu. 1, is a protein that in humans is encoded by the SPI1 gene. This protein have 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. It can also regulate alternative splicing of target genes. Multiple transcript variants encoding different isoforms have been found for this gene. Recombinant SPI1, fused to His-tag at N-terminus, was expressed in E.

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Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMLQACKM EGFPLVPPQP SEDLVPYDTD LYQRQTHEYY PYLSSDGESH
SDHYWDFHPH HVHSEFESFA ENNFTELQSV QPPQLQQLYR HMELEQMHLV DTPMVPPHPS LGHQVSYLPR MCLQYPSLSP
AQPSSDEEEG ERQSPPLEVS DGEADGLEPG PGLLPGETGS KKKIRLYQFL LDLLRSGDMK DSIWWVDKDK GTFQFSSKHK
EALAHRWGIQ KGNRKKMTYQ KMARALRNYG KTGEVKKVKK KLTYQFSGEV LGRGGLAERR HPPH

General References

Ray D, Culine S, et al. (1990). Oncogene. 5(5):663-8.

Hallier M, Tavitian A, et al. (1996). J Biol Chem. 271(19):11177-81.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)