

AR51789PU-S

Human SPI1 / PU.1 (1-271, His-tag) - Purified

Alternate names:

31 kDa transforming protein, SFPI1, SPI-1 proto-oncogene, Transcription factor PU.1, spleen focus forming virus (SFFV) proviral integration oncogene spi1

Quantity:

50 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P17947](#)

NCBI:

[NP_001074016](#)

GenelD:

[6688](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl(pH 8.0) containing 10% glycerol.

Description:

Recombinant SPI1, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMLQACKM EGFPLVPPQP SEDLVPYDTD LYQRQTHEY
PYLSSDGESH SDHYWDFHPH HVHSEFESFA ENNFTELQSV QPPQLQQLYR HMELEQMHL
DTPMVPPHPS LGHQVSYLPR MCLQYPSLSP AQPSSDEEEG ERQSPPLEVS DGEADGLEPG
PGLLPGETGS KKKIRLYQFL LDLLRSGDMK DSIWVVDKDK GTFQFSSKHK EALAHRWGIQ
KGNRKKMTYQ KMARALRNYG KTGEVKKVKK KLTQFSGEV LGRGGLAERR HPPH

Molecular weight: 33.6 kDa (294aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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.

Pictures:

