

SPI1, 1-271aa, Human, His tag, E.coli

Cat.NO.: TP04013

3th Edition

Synonyms: Transcription factor Pu.1 isoform 1, OF, Pu.1, SFPI1, SPI-1, SPI-A

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.coli.

Form: Liquid. In 20mM Tris-HCl(pH 8.0) containing 10% glycerol.

Molecular Weight: 33.6kDa (294aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMQLQACKMEGFPLVPPQPSEDLVPYDTDLYQRQTHEYYPYLSSDGESHSDH
YWDFHPPHHVHSEFESFAENNFTELQSVQPPQLQQLYRHMELEQMHVLDTPMVPPHPSLGHQVSYLPRMCLQYPS
LSPAQPSSDEEEGERQSPPLEVSDGEADGLEPGPGLLPGETGSKKKIRLYQFLDLLRSGDMKDSIWWVDKDKGT
FQFSSKHKEALHRWGIQKGNRKKMTYQKMARALRNYGKTGEVKKVKKLTYQFSGEVLGRGGLAERRHPPH

Purity: > 95% by HPLC

Concentration: 0.25mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.