
Product Data Sheet

Product Name: SPI1 Human
 Cat. No.: GP24682
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transcription factor PU.1; 31 kDa-transforming protein; Transcription factor PU.1 isoform 1; SPI1; OF; PU.1; SFPI1; SPI-1; SPI-A.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMLQACKM EGFPLVPPQP SEDLVPYDTD LYQRQTHEYY PYLSSDGESH SDHYWDFHPPH HVHSEFESFA ENNFTELQSV QPPQLQQLYR HMELEQMHVL DTPMVPPHPS LGHQVSYLPR MCLQYPSLSP AQPSSDEEEG ERQSPPLEVS DGEADGLEPG PGLLPGETGS KKKIRLYQFL LDLLRSGDMK DSIWWVDKDK GTFQFSSKHK EALHRWGIQ KGNRKKMTYQ KMARALRNYG KTGEVKKVKK KLTYQFSGEV LGRGGLAERR HPPH.		
Formulation	The SPI1 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

Introduction

Spi-1Proto-Oncogene, also known as SPI1, owns ETS-domain transcription factor which activates gene expression during myeloid and Blymphoid cell development. SPI1 binds to a purine-rich sequence called the PU-box which is located near the promoters of target genes, and regulates their expression. SPI1 binds RNA and modulates pre-mRNA splicing. SPI1 is also regulates alternative splicing of target genes.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SPI1 Human Recombinant produced in E. coli is a single polypeptide chain containing 294 amino acids (1-271) and having a molecular mass of 33.6kDa. SPI1 is fused to a 23

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Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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