

Transcription factor PU.1 Recombinant Protein | SPI1 recombinant protein

Recombinant Human Transcription factor PU.1

CATALOG # AAA18726	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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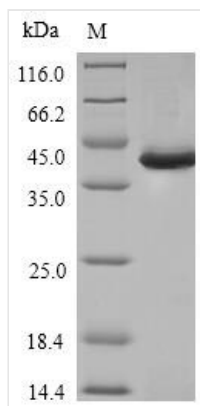
PRODUCT SYNONYMS

Transcription factor PU.1; Recombinant Human Transcription factor PU.1; 31 kDa-transforming protein; SPI1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-270aa; Full Length Protein
Sequence	MLQACKMEGF PLVPPPSDEL VPYDTDLYQR QTHEYYPYLS SDGESHSDDY WDFHPHHVHS EFESFAENNF TELQSVQPPQ LQQLYRHME EQMHVLDTPM VPPHPSLGHQ VSYLPRMCLQ YPSLSPAQPS SDEEEGERQS PPLEVSDGEA DGLEPGPGLL PGETGSKKKI RLYQFLDLL RSGDMKDSIW WVDKDKGTFQ FSSKHKEALA HRWGIQKGNR KKMTYQKMAR ALRNYGKTGE VKKVKKKLT YQFSGEVLGRG GLAERRHPPH
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SPI1 recombinant protein	Binds to the PU-box, a purine-rich DNA sequence (5'-GAGGAA-3') that can act as a lymphoid-specific enhancer. This protein is a transcriptional activator that may be specifically involved in the differentiation or activation of macrophages or B-cells. Also binds RNA and may modulate pre-mRNA splicing.
Product Categories/Family for SPI1 recombinant protein	Transcription

References	The human homologue of the putative proto-oncogene Spi-1 characterization and expression in tumors.Ray D., Culine S., Tavitian A., Moreau-Gachelin F.Oncogene 5:663-668(1990) ErratumRay D., Culine S., Tavitian A., Moreau-Gachelin F.Oncogene 5:1611-1612(1990) Full-length cDNA libraries and normalization.Li W.B., Gruber C., Jessee J., Polayes D. Human chromosome 11 DNA sequence and analysis including novel gene identification.Taylor T.D., Noguchi H., Totoki Y., Toyoda A., Kuroki Y., Dewar K., Lloyd C., Itoh T., Takeda T., Kim D.-W., She X., Barlow K.F., Bloom T., Bruford E., Chang J.L., Cuomo C.A., Eichler E., FitzGerald M.G., Jaffe D.B., LaButti K., Nicol R., Park H.-S., Seaman C., Sougnez C., Yang X., Zimmer A.R., Zody M.C., Birren B.W., Nusbaum C., Fujiyama A., Hattori M., Rogers J., Lander E.S., Sakaki Y.Nature 440:497-500(2006) SPI-B activates transcription via a unique proline, serine, and threonine domain and exhibits DNA binding affinity differences from PU.1.Rao S., Matsumura A., Yoon J., Simon M.C.J. Biol. Chem. 274:11115-11124(1999) Functional and physical interactions between AML1 proteins and an ETS protein, MEF implications for the pathogenesis of t(8;21) -positive leukemias.Mao S., Frank R.C., Zhang J., Miyazaki Y., Nimer S.D.Mol. Cell. Biol. 19:3635-3644(1999) The transcriptional repressor GFI-1 antagonizes PU.1 activity through protein-protein interaction.Dahl R., Iyer S.R., Owens K.S., Cuylear D.D., Simon M.C.J. Biol. Chem. 282:6473-6483(2007) BCL6 positively regulates AID and germinal center gene expression via repression of miR-155.Basso K., Schneider C., Shen Q., Holmes A.B., Setty M., Leslie C., Dalla-Favera R.J. Exp. Med. 209:2455-2465(2012) An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124028521
NCBI GeneID	6688
NCBI Accession #	NP_001074016.1
NCBI GenBank Nucleotide #	NM_001080547.1
UniProt Accession #	P17947
Molecular Weight	35.1 kDa
NCBI Official Full Name	transcription factor PU.1 isoform 1
NCBI Official Synonym Full Names	Spi-1 proto-oncogene
NCBI Official Symbol	SPI1
NCBI Official Synonym Symbols	OF; PU.1; SFPI1; SPI-1; SPI-A
NCBI Protein Information	transcription factor PU.1
UniProt Protein Name	Transcription factor PU.1
UniProt Gene Name	SPI1
UniProt Entry Name	SPI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/spi1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/18726>