



Recombinant Mouse Transcription factor PU.1 (Spi1)

Product Code	CSB-EP022567MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P17433
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MLQACKMEGF SLTAPPSDDL VTYDSELYQR PMHDYYSFVG SDGESHS DHY WDFSAHHVHN NEFENFPENH FTELQSVQPP QLQQLYRHME LEQMHVLDTP MVP PHTGLSH QVS YMPRMCF PYQTLSPA HQ QSSDEEEGER QSPPLEVSDG EADGLEPGPG LLHGETGSKK KIRLYQFLLD LLRSGDMKDS IWWVDKDKGT FQFSSKHKEA LAHRWGIQKG NRKKMTYQKM ARALRNYGKT GEVKKVKKKL TYQFSGEVLG RGGLAERRLP PH
Source	E.coli
Target Names	Spi1
Protein Names	Recommended name: Transcription factor PU.1 Alternative name(s): 31 kDa-transforming protein SFFV proviral integration 1 protein
Expression Region	1-272
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes an 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. The protein can also regulate alternative splicing of target genes. Multiple transcript variants encoding different isoforms have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.