

Datasheet for ABIN7562914
SPI1 Protein (AA 1-272) (His tag)



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Overview

Quantity:	1 mg
Target:	SPI1
Protein Characteristics:	AA 1-272
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPI1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Spi1 Protein expressed in mammalian cells.
Sequence:	MLQACKMEGF SLTAPPSDDL VTYDSELYQR PMHDYYSFVG SDGESHSDDHY WDFSAHHVHN NEFENFPENH FTELQSVQPP QLQQLYRHME LEQMHVLDTP MVPPTHGLSH QVSYMPRMCF PYQTLSPAHQ QSSDEEEGER QSPPLEVSDG EADGLEPGPG LLHGETGSKK KIRLYQFLLD LLRSGDMKDS IWWWVDKDKGT FQFSSKHKEA LAHRWGIQKG NRKKMTYQKM ARALRNYGKT GEVKKVKKKL TYQFSGEVLG RGGLAERRLP PH Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	SPI1
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Alternative Name:	Spi1 (SPI1 Products)
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Background:	<p>Transcription factor PU.1 (31 kDa-transforming protein) (SFFV proviral integration 1 protein),FUNCTION: Pioneer transcription factor, which controls hematopoietic cell fate by decompacting stem cell heterochromatin and allowing other transcription factors to enter otherwise inaccessible genomic sites (PubMed:8079170). Once in open chromatin, can directly control gene expression by binding genetic regulatory elements and can also more broadly influence transcription by recruiting transcription factors, such as interferon regulatory factors (IRFs), to otherwise inaccessible genomic regions (By similarity). Transcriptionally activates genes important for myeloid and lymphoid lineages, such as CSF1R (By similarity).</p> <p>Transcriptional activation from certain promoters, possibly containing low affinity binding sites, is achieved cooperatively with other transcription factors. FCER1A transactivation is achieved in cooperation with GATA1 (By similarity). May be particularly important for the pro- to pre-B cell transition (PubMed:8079170). Binds (via the ETS domain) onto the purine-rich DNA core sequence 5'-GAGGAA-3', also known as the PU-box (PubMed:2180582). In vitro can bind RNA and interfere with pre-mRNA splicing (PubMed:8626664). {ECO:0000250 UniProtKB:P17947,</p>
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Target Details

ECO:0000250|UniProtKB:Q6BDS1, ECO:0000269|PubMed:2180582,
ECO:0000269|PubMed:8079170, ECO:0000269|PubMed:8626664}.

Molecular Weight: 31.3 kDa

UniProt: [P17433](#)

Pathways: [Stem Cell Maintenance](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months