

Datasheet for ABIN7562382
SP100 Protein (AA 1-482) (His tag)



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Overview

Quantity:	1 mg
Target:	SP100
Protein Characteristics:	AA 1-482
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SP100 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Sp100 Protein expressed in mammalian cells.
Sequence:	<p>MEGSDGSPRM STEQENTEMH LIECMLKHFK TQKVAISNAI RSTFPFLES LRDHEFITGKM YEDLLDSCRS LVPVDKVIYR ALEELEKKFD MTVLCELFNE VNMEKYPDLN LIRRSFGCVF PNELCFQGID GGPNNSQLSL EQGPGASYSQ GSPNGSSLDL SASEGWRSND RRNSNLMQAN QTENHQLAES PGHLDSCELQ VQLNNRDATP ESCSLLPQNE ERAVQLNYEL QINPCFVQLV DVKKENSSFS LAGNQQTRAR TNQNEDESEI ELSSGDS DNG ENFSEATTTV PSQPAPAYSR KPPTLRRDRG GDTSDTESSI IRRRKRTGR KKRERLGSYL IRNIKIPMKP SWKTAFLARS ANPSSQRRRK RGPRIPREN ADFGGAELPV VCGNAQGFLD KEKFKQGIYV RSIRGKTGRL FTPMDFEIEG NCEKAKNWRQ SIRCKGWTLR ELIQKGV LQD PPRKKKETPR NPRQTRRQVN AL</p> <p>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.</p>

Product Details

Characteristics:

Key Benefits:

- 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, Western Blot

Grade:

custom-made

Target Details

Target:

SP100

Alternative Name:

Sp100 ([SP100 Products](#))

Background:

Nuclear autoantigen Sp-100 (Nuclear dot-associated Sp100 protein) (Speckled 100 kDa),FUNCTION: Together with PML, this tumor suppressor is a major constituent of the PML bodies, a subnuclear organelle involved in a large number of physiological processes including cell growth, differentiation and apoptosis. Functions as a transcriptional coactivator of ETS1 and ETS2. Under certain conditions, it may also act as a corepressor of ETS1 preventing its binding to DNA. Through the regulation of ETS1 it may play a role in angiogenesis, controlling endothelial cell motility and invasion. Through interaction with the MRN complex it may be involved in the regulation of telomeres lengthening. May also regulate TP53-mediated transcription and through CASP8AP2, regulate FAS-mediated apoptosis. May also play a role in infection by viruses through mechanisms that may involve chromatin and/or transcriptional regulation (By similarity). {ECO:0000250|UniProtKB:P23497}.

Molecular Weight:

54.7 kDa

UniProt:

[O35892](#)

Target Details

Pathways: [Retinoic Acid Receptor Signaling Pathway](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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