

Datasheet for ABIN7551081
PSPC1 Protein (AA 1-523) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PSPC1
Protein Characteristics:	AA 1-523
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSPC1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PSPC1 Protein expressed in mammalian cells.
Sequence:	MMLRGNLKQV RIEKNPARLR ALESVGESE PAAAAAMALA LAGEPAPPAP APPEDHPDEE MGFTIDIKSF LKPGEKTYTQ RCRLFVGNLP TDITEEDFKR LFERYGEPSE VFINRDRGFG FIRLESRTLA EIAKAELDGT ILKSRPLRIR FATHGAALTV KNLSPVVSNE LLEQAFSQFG PVEKAVVVVD DRGRATGKGF VEFAAKPPAR KALERCGDGA FLLTTTPRPV IVEPMEQFDD EDGLPEKLMQ KTQQYHKERE QPPRFAQPGT FEFYASRWK ALDEMEKQQR EQVDRNIREA KEKLEAEMEA ARHEHQLMLM RQDLMRRQEE LRRLEELRNQ ELQKRKQIQL RHEEEHRRRE EEMIRHREQE ELRRQEGFK PNYMENREQE MRMGDMGPRG AINMGDAFSP APAGNQGPPP MMGMNMNRA TIPGPPMGPG PAMGPEGAAN MGTPMMPDNG AVHNDRFPQG PPSQMGSPMG SRTGSETPQA PMSGVGPVSG GPGGFGRGSQ GGNFEGPNKR RRY 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

Product Details

have a special request, please contact us.

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:

PSPC1

Alternative Name:

PSPC1 ([PSPC1 Products](#))

Background:

Paraspeckle component 1 (Paraspeckle protein 1),FUNCTION: Regulates, cooperatively with NONO and SFPQ, androgen receptor-mediated gene transcription activity in Sertoli cell line (By similarity). Binds to poly(A), poly(G) and poly(U) RNA homopolymers. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-BMAL1 heterodimer (By similarity). Together with NONO, required for the formation of nuclear paraspeckles. Plays a role in the regulation of DNA virus-mediated innate immune response by assembling into the HDP-RNP complex, a complex that serves as a platform for IRF3 phosphorylation and subsequent innate immune response activation through the cGAS-STING pathway.

{ECO:0000250|UniProtKB:Q8R326, ECO:0000269|PubMed:22416126, ECO:0000269|PubMed:28712728}.

Molecular Weight:

58.7 kDa

Target Details

UniProt: [Q8WXF1](#)

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