

Datasheet for ABIN7548352
PSMC3IP Protein (AA 1-217) (His tag)



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Overview

Quantity:	1 mg
Target:	PSMC3IP
Protein Characteristics:	AA 1-217
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMC3IP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PSMC3IP Protein expressed in mammalien cells.
Sequence:	MSKGRAEAAA GAAGILLRYL QEQRNPYSSQ DVFGNLQREH GLGKAVVVKT LEQLAQQGKI KEKMYGKQKI YFADQDQFDM VSDADLQVLD GKIVAL TAKV QSLQQSCRYM EAEKELSSA LTTPEMQKEI QELKKECAGY RERLKNIAA TNHVTPEEKE QVYRERQKYC KEWRKRKRMA TELSDAILEG YPKSKKQFFE EVGIETDEDY NVTLPDP 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.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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: PSMC3IP

Alternative Name: PSMC3IP ([PSMC3IP Products](#))

Background: Homologous-pairing protein 2 homolog (Nuclear receptor coactivator GT198) (PSMC3-interacting protein) (Proteasome 26S ATPase subunit 3-interacting protein) (Tat-binding protein 1-interacting protein) (TBP-1-interacting protein),FUNCTION: Plays an important role in meiotic recombination. Stimulates DMC1-mediated strand exchange required for pairing homologous chromosomes during meiosis. The complex PSMC3IP/MND1 binds DNA, stimulates the recombinase activity of DMC1 as well as DMC1 D-loop formation from double-strand DNA. This complex stabilizes presynaptic RAD51 and DMC1 filaments formed on single strand DNA to capture double-strand DNA. This complex stimulates both synaptic and presynaptic critical steps in RAD51 and DMC1-promoted homologous pairing. May inhibit HIV-1 viral protein TAT activity and modulate the activity of proteasomes through association with PSMC3. Acts as a tissue specific coactivator of hormone-dependent transcription mediated by nuclear receptors. {ECO:0000269|PubMed:10806355, ECO:0000269|PubMed:16407260, ECO:0000269|PubMed:21963259}.

Molecular Weight: 24.9 kDa

UniProt: [Q9P2W1](#)

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
