

Datasheet for ABIN7551121
PWWP2A Protein (AA 1-755) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | PWWP2A |
| Protein Characteristics: | AA 1-755 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This PWWP2A protein is labelled with His tag. |

Product Details

| | |
|-----------|---|
| Purpose: | Custom-made recombinant PWWP2A Protein expressed in mammalian cells. |
| Sequence: | MAAVAAEAAA TAASPGEGGA GEAPEMEPI PGSEAGTDPL PVTATEASVP DGETDGQQSA PQADEPPLPP PPPPPGELAR SPEAVGPELE AEEKLSVRVA ESAAAAPQGG PELPPSPASP PEQPAPPEER EEPPLPQPVA PALVPPAGGD STVSQLIPGS EVRVTLDHII EDALVVSFRF GEKLFSGVLM DLSKRFGPHG IPVTVFPKRE YKDKPEAMPL QSNTFQEGTE VKCEANGAVP DDPSPVPHPE LSLAESLWTS KPPPLFHEGA PYPPLFIRD TYNQSIPQPP PRKIKRPKRK MYREPTSIM NAIKLRPRQV LCDKCKNSVV AEKKEIRKGS SATDSSKYED KKRRNESVTT VNKKLKT DHK VDGKNQNESQ KRNAVVKVSN IAHSRGRVVK VSAQANTSKA QLSTKKVLQS KNMDHAKARE VLKIAKEKAQ KKQNETSTSK NAHSKVHFTR RYQNPSSGSL PPRVRLKPQR YRNEENDSSL KTGLEKMRSK KMAPKQSRC TSTRSAGEAP SENQSPSKGP EEASSEVQDT NEVHVPGDQD EPQTLGKKGK KNNISVYMTL NQKKS DSSSA SVCSIDSTDD LKSSNSECSS SESFDFPPGS MHAPSTSSTS SSSKEEKKLS NSLKMKVFSK NVSKCVTPDG RTICVGDIVW AKIYGFPWWP ARILTITVSR KDNGLLVRQE ARISWFGSPT TSFLALSQLS PFLNFQSRF |

Product Details

NKKRKGLYRK AITEAAKAAK QLTPEVRALL TQFET **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:**

- 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)

Grade: custom-made

Target Details

Target: PWWP2A

Alternative Name: PWWP2A ([PWWP2A Products](#))

Background: PWWP domain-containing protein 2A,FUNCTION: Chromatin-binding protein that acts as an adapter between distinct nucleosome components (H3K36me3 or H2A.Z) and chromatin-modifying complexes, contributing to the regulation of the levels of histone acetylation at actively transcribed genes (PubMed:30228260, PubMed:30327463). Competes with CHD4 and MBD3 for interaction with MTA1 to form a NuRD subcomplex, preventing the formation of full NuRD complex (containing CHD4 and MBD3), leading to recruitment of HDACs to gene promoters resulting in turn in the deacetylation of nearby H3K27 and H2A.Z

Target Details

(PubMed:30228260, PubMed:30327463). Plays a role in facilitating transcriptional elongation and repression of spurious transcription initiation through regulation of histone acetylation (By similarity). Essential for proper mitosis progression (PubMed:28645917).

{ECO:0000250|UniProtKB:Q69Z61, ECO:0000269|PubMed:28645917, ECO:0000269|PubMed:30228260, ECO:0000269|PubMed:30327463}.

Molecular Weight: 82.0 kDa

UniProt: [Q96N64](#)

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