

Datasheet for ABIN7551148

PWWP2B Protein (AA 1-590) (His tag)



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Overview

Quantity:	1 mg
Target:	PWWP2B
Protein Characteristics:	AA 1-590
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PWWP2B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PWWP2B Protein expressed in mammalian cells.
Sequence:	<p>MEPRAGCRLP VRVEQVVNGA LVVTVSCGER SFAGILLDCT KKSGLFGLPP LAPLPQVDES PVND SHGRAP EEGDAEVMQL GSSSPPPARG VQPPETTRPE PPPPLVPPLP AGSLPPYPPY FEGAPFPHPL WLRD TYKLWV PQPPPTIKR TRRLSRNRD PGRLLSTIR LRPRQVLCCK CKSTLSPPEA SPGPPAAPRA RRRLGSGPDR ELRKPEEPEN GEPTAAATAR RSKRERREED RAPAEQVPRS PVIKISYSTP QGKGEVVKIP SRVHGSLEPF RPQQAPQDDG SQDPEVL DRE SRDRPSCAPS ASIPKLKLTR PVPAGADLPP PKIRLKPHRL GDSEHEPVYR AELVGELNGY LRDSSPAPCA DGPAGGLADL SSGSSGEDDD FKSCPQGPQG REGLAFLVSC PEGRADCASE SACSSDSLDE ARSSGSEGTP ADTGDLSPGH GASAPSVSRE ARQTVPLTV RLHTQSVSEC ITEDGRTVAV GDIVWGKIHG FPWWPARVLD ISLGQKEDGE PSWREAKVSW FGSPPTSFLS ISKLSPFSEF FKLRFNRRKKK GMYRKAITEA ANAARHVAPE IRELLTQFET Sequence without tag.</p> <p>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</p>

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PWWP2B
Alternative Name:	PWWP2B (PWWP2B Products)
Background:	<p>PWWP domain-containing protein 2B,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). 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 (PubMed:30228260). Plays a role in facilitating transcriptional elongation through regulation of histone acetylation (By similarity). Negatively regulates brown adipocyte thermogenesis by interacting with and stabilizing HDAC1 at the UCP1 gene promoter, thereby promoting histone deacetylation at the promoter leading to</p>

Target Details

	the repression of UCP1 expression (By similarity). {ECO:0000250 UniProtKB:Q69Z61, ECO:0000269 PubMed:30228260}.
Molecular Weight:	64.0 kDa
UniProt:	Q6NUJ5

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