

Datasheet for ABIN7554957

**Plakophilin 4 Protein (PKP4) (AA 1-1192) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Plakophilin 4 (PKP4)
Protein Characteristics:	AA 1-1192
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Plakophilin 4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat PKP4 Protein expressed in mammalien cells.
Sequence:	MPAPEQASLV EEGQPQTRQE AASTGPGMEP ETTATTILAS VKEQELQFQR LTRELEVERQ IVASQLERCR LGAESPSIAS TSSTEKSF PW RSTDVPNTGV SKPRVSDAVQ PNNYLIRTEP EQGTLYSPEQ TSLHESEGLS GNSRSSTQMN SYSDSGYQEA GSFHNSQNVS KADNRQQHSF IGSTNNHVVR NSRAEGQTLV QPSVANRAMR RVSSVPSRAQ SPSYVISTGV SPSRGLRSTS LGSGFGSPSV TDPRLNPSA YSSTTLPAAR AASPYSQSPA SPTAIRRIGS VTSRQTSNPN GPTPQYQTTA RVGSPLTLTD AQTRVASPSQ GQVGSSSPKR SGMATVPQHL GPSLQRTVHD MEQFGQQQYD IYERMVPPRP DSLTGLRSSY ASQHSQLGQD LRSVSPDLH ITPIYEGRTY YSPVYRSPNH GTVELQGSQT ALYRTGSVG I GNLQRTSSQR STLT YQRNNY ALNTTATYAE PYRPIQYRVQ ECNYNRLQHA VPADDGTTTRS PSIDSIQKDP REFAWRDPEL PEVIHMLQHQ FPSVQANAAA YLQHLCFGDN KVKMEVCRLG GIKHLVDLLD HRVLEVQKNA CGALRNLVFG KSTDENKIAM KNVGGIPALL RLLRKSIDAE VRELVTGVLW NLSSCDAVKM TIIRDALSTL

## Product Details

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TNTVIVPHSG WNNSSFDDDH KIKFQTSVLV RNTTGCLRNL SSAGEEARKQ MRSCEGLVDS  
LLYVIHTCVN TSDYDSKTVE NCVCTLRNLS YRLELEVPQA RLLGLNELDD LLGKESPSKD  
SEPSCWGKKK KKKKRTPQED QWDGVGPIPG LSKSPKGVEM LWHPSVVKPY LTLLAESSNP  
ATLEGSAGSL QNLSAGNWKF AAYIRAAVRK EKGLPILVEL LRMDNDRVVS SVATALRNMA  
LDVRNKELIG KYAMRDLVNR LPGGNGPSVL SDETMAAICC ALHEVTSKNM ENAKALADSG  
GIEKLVNITK GRGDRSSLKV VKAAAQVLNT LWQYRDLRSI YKKDGNQNH FITPVSTLER  
DRFKSHPSLS TTNQQMSPPII QSVGSTSSSP ALLGIRDPRS EYDRTQPPMQ YYNSQGDATH  
KGLYPGSSKP SPIYISSYSS PAREQNRRLQ HQQLYYSQDD SNRKNFDAYR LYLQSPHSYE  
DPYFDDRHFV PASTDYSTQY GLKSTTNYVD FYSTKRPSYR AEQYPGSPDS WV **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.**

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### 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.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

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## Target Details

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Target: Plakophilin 4 (PKP4)

Alternative Name: PKP4 ([PKP4 Products](#))

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Background: Plakophilin-4 (p0071),FUNCTION: Plays a role as a regulator of Rho activity during cytokinesis.

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## Target Details

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May play a role in junctional plaques. {ECO:0000269|PubMed:17115030}.

Molecular Weight: 131.9 kDa

UniProt: [Q99569](#)

Pathways: [Cell-Cell Junction Organization](#)

## Application Details

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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

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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