

Datasheet for ABIN7564009

**Plakophilin 4 Protein (PKP4) (AA 1-1190) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Plakophilin 4 (PKP4)
Protein Characteristics:	AA 1-1190
Origin:	Mouse
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:	MPAPEQGSLV EEGQPQTHQE AVSTGPGMEP ETTATTILAS VKEQELQFQR LTRELEVERQ IVASQLERCR LGAESPSIAS TSSTEKSPFW RSTDVNPNGV SKPRVSDTIH PNNYLIRTEP EQGTLYSPEQ TSLHESEGLS GNSRSSTQMN SYSDSGYQEA GSFHNSQTVN KADSRQHPFT GSTSNHVVRT SRAEGQTLVQ PSVANRAMRR VSSVPSRAQS PSYVTSTGVS PSRGLRSTL GSGFGSPSVT DSRPLNPSAY SSSTLPAQRA ASPYSQRPAS PTAVRRVGSV TSRQTSNPNG PVPQYQTTTR VGSPLTLTDA QTRVASPSQG QVGSSSPKRS GMTAVPQHLG PSLQRTVHDM DQFGQQQYDI YERMVPPRPD SLTGLRSSYA SQHSQLGQEL RAVSPDLHI TPIYEGRTYY SPVYRSPNHG TVELQGSQTA LYRTGSVGIG NLQRTSSQRS TLTYQRNNYA LNTAATYAEP YRPVQYRVQE CSYNRLQHTG PADDGATRSP SIDSIQKDPR EFAWRDPELP EVIHMLQHQF PSVQANAAAY LQHLCFGDNK VKMEVYRLGG IKHLVDLLDH RVLEVQKNAC GALRNLVFGK STDENKIAMK NVGGIPALLR LLRKSIDAEV RELVTGVLWN LSSCAVKMT IIRDALSTLT

## Product Details

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NTVIVPHSGW NNSSFDDHDK IKFQTSVLVLR NTTGCLRNL SAGEEARKQM RSCEGLVDSL  
LYVIHTCVNT SDYDSKTVEN CVCTLRNLSY RLELEVPQAR LLGLNELDDL LGKESPSKDS  
EPSCWGKKKK KKKRTPQEDQ WDGVGPIPL SKSPKGVEML WHPSVVKPYL TLLAESSNPA  
TLEGSAGSLQ NLSAGNWKFA AYIRAAVRKE KGLPILVELL RMDNDRVSS VATALRNMAL  
DVRNKELIGK YAMRDLVNL PGGNGPSILS DETVAAICCA LHEVTSKNME NAKALADSGG  
IEKLVNITKG RGDSSLKVV KAAAQVLNLT WQYRDLRSY KKDGNQNH ITPVSTLERD  
RFKSHPSLST TNQQMSPIIQ SVGSTSSSPA LLGIREPRSE YDRTQPPMQY YNSQGDTHK  
GLYPGSSKPS PIYISSYSSP AREQNRRLQH QQLYYQDDST RKTLDAYRLY LQSPRSYEDP  
YCDDRVHFPA STDYSTQYGL KSTTNYVDFY STKRPSYRAE QYPGSPDSWV **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](#))

Background: Plakophilin-4 (Armadillo-related protein),FUNCTION: Plays a role as a regulator of Rho activity

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## Target Details

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during cytokinesis. May play a role in junctional plaques (By similarity). {ECO:0000250}.

Molecular Weight: 131.6 kDa

UniProt: [Q68FH0](#)

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