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Datasheet for ABIN7556786

**Plakophilin 1 Protein (PKP1) (AA 1-728) (His tag)**

## Overview

Quantity:	1 mg
Target:	Plakophilin 1 (PKP1)
Protein Characteristics:	AA 1-728
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Plakophilin 1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Pkp1 Protein expressed in mammalien cells.
Sequence:	MNHSPKLTAL AYECFQDQDN STLALPSDQK MKTGTSGRQR VQEQVMMTVK RQKSKSSQSS TLSHSNRGSY YDGLADNYNN YGTTSRSSYF SKFQAGNGSW GYPIYNGTLK REPDNRRFSS YSQMENWSRH YPRGSCATPG AGSDICFMQK IKASRSEPDY YCDPRGTLRK GTLGSKGHKT TQNRCSFYST CSGQKAVKKC PVRPPSCTSK QDPVYVPPIS CNKDLSFGHS RASSKICSED IECSGLTIPK AVQYLCSQDE KYQAIGAYYI QHTCFQDESA KQQVYQLGGI CKLVDLLRSP NQNQQAAAG ALRNLVFRST PNKLETRRQN GIREAVSLLR RSGSTEIQKQ LTGLLWNLSL TDELKEELVA DALPVLTRDV IIPFSGWCDG NSNMSREVVD PEVFFNATGC LRNLSSADAG RQTMRNYSGL IDSLMAYVQN CVAASRCDDK SVENCMCILH NLSYRLDAEV PTRYRQLEYN TRNAYTEKSS TGCFSNRGDK MMNNNYDCPL PEEETNPKGS SWLYHSDAIR TYLNLMGKSK KDATLEACAG ALQNLTASKG LMSNGMSQLI GIKEKGLPQI ARLLQSGNSD VVRSGASLLS NMSRHPVLHR VMGNQVFPEV TRLLTSHTGN TSNSDILSS ACYTVRNLMT SQPQMAKQYF

## Product Details

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SNSMLNNVFN LCRNTASSPK AAEAARLLLS DMWASKELQS VLRQQGFDRN MMGNIAGANN  
LRNFTSRF **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:

- 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, Western Blot

### Grade:

custom-made

## Target Details

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### Target:

Plakophilin 1 (PKP1)

### Alternative Name:

Pkp1 ([PKP1 Products](#))

### Background:

Plakophilin-1,FUNCTION: Seems to play a role in junctional plaques (By similarity). May facilitate the formation of intermediate filaments (By similarity). {ECO:0000250|UniProtKB:Q13835}.

### Molecular Weight:

80.9 kDa

### UniProt:

[P97350](#)

## 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

## Application Details

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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