

## Product datasheet for **TP316972M**

### Plakophilin 1 (PKP1) (NM\_001005337) Human Recombinant Protein

#### Product data:

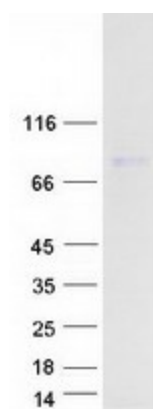
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human plakophilin 1 (ectodermal dysplasia/skin fragility syndrome) (PKP1), transcript variant 1a, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC216972 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MNHSPLKTALAYECFQDQDNSTLALPSDQKMKTGTSGRQRVQEQVMMTVKRQKSKSSQSSTLSHSNRGSM YDGLADNYNYGTTSSRSSYSKFQAGNGSWGYPYINGTLKREPDRRFFSSYSQMENWSRHYPRGSCNTTGA GSDICFMQKIKASRSEPDLYCDPRGTLRKGTLGSKGQKTTQNRYSFYSTCSGQKAIKCPVRPPSCASKQ DPVYIPISCNKDLSFGHSRASSKICSEDIESGLTIPKAVQYLSSQDEKYQAIGAYYIQTHTCFQDESAK QQVYQLGGICKLVDLLRSPNQNVQAAAAGALRNLVFRSTTNKLETRRQNGIREAVSLLRRTGNAEIQKQL TGLLWNLSTDELKEELIADALPVLADRVIIIPFSGWCDGNSNMSREVVDPVEFFNATGCLRNLSSADAGR QTMRNYSGLIDSLMAYVQNCVAASRCDDKSVENCMCVLHNLRYRLDAEVPTRYRQLEYNARNAYTEKSST GCFSNKSDKMMNNNYDCPLPEEETNPKGSGWLYHSDAIRTYLNLMGKSKKDATLEACAGALQNLTASKGL MSSGMSQLIGLKEKGLPQIARLLQSGNSDVVRSGASLLSNMSRHPLLRVMGNQVFPVTRLLTSHTGNT SNSEDILSSACYTVRNLMASQPQLAKQYFSSSMLNIIINLCRSSASPKAAEAARLLSDMWSSKELQGVL RQQGFDRNMLGTLAGANSLRNFTSRF
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	80.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001005337</a>
Locus ID:	5317
UniProt ID:	<a href="#">Q13835</a> , <a href="#">A0A024R952</a>
RefSeq Size:	5384
Cytogenetics:	1q32.1
RefSeq ORF:	2178
Synonyms:	B6P; EDSFS
Summary:	This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This protein may be involved in molecular recruitment and stabilization during desmosome formation. Mutations in this gene have been associated with the ectodermal dysplasia/skin fragility syndrome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]
Protein Families:	Druggable Genome

### Product images:



Coomassie blue staining of purified PKP1 protein (Cat# [TP316972]). The protein was produced from HEK293T cells transfected with PKP1 cDNA clone (Cat# [RC216972]) using MegaTran 2.0 (Cat# [TT210002]).