

Recombinant Human PKP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PKP1-719H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PKP1 MS Standard C13 and N15-labeled recombinant protein (NP_001005337) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	80.5 kDa
AA Sequence	MNHSPLKTALAYECFQDQDNSTLALPSDQKMKTGTSGRQRVQEQVMMTVKRQKS KSSQSSTLSHSNRGSMYDGLADNYYGTTSSSSYYSKFQAGNGSWGYPYINGTLK REPDNRRFSSYSQMENWSRHYPRGSCNTTGAGSDICFMQKIKASRSEPDLYCDPR GTLRKGTLGSKGQKTTQNRYSFYSTCSGQKAIKKCPVRPPSCASKQDPVYIPPISCN KDLSFGHSRASSKICSEDIECGLTIPKAVQYLSSQDEKYQAIGAYYIQTCTCFQDESA KQQVYQLGGICKLVDLLRSPNQNVQQAAGALRNLVFRSTTNKLETRRQNGIREAV

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SLLRRTGNAEIQKQLTGLLWNLSSTDELKEELIADALPVLADRVIIPFSGWCDGNSNM
 SREVVDPEVFFNATGCLRNLSSADAGRQTMARNYSGLIDSLMAYVQNCVAASRCDD
 KSVENCMCVLHNLSYRLDAEVPTRYRQLEYNARNAYTEKSSTGCFSNKSDKMMNN
 NYDCPLPEEETNPKGSGWLYHSDAIRTYLNLMGKSKKDATLEACAGALQNLTASKG
 LMSSGMSQLIGLKEKGLPQIARLLQSGNSDVVRSGASLLSNMSRHPLLHRVMGNQV
 FPEVTRLLTSHTGNTSNESEDILSSACYTVRNLMASQPQLAKQYFSSSMLNNIINLCRS
 SASPKAAEAARLLLSDMWSSKELQGVLRQQGFDRNMLGTLAGANSLRNFTSRFTR
 TRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PKP1 plakophilin 1 [Homo sapiens (human)]

Official Symbol PKP1

Synonyms PKP1; plakophilin 1 (ectodermal dysplasia/skin fragility syndrome); plakophilin-1; B6P; band 6 protein; MGC138829;

Gene ID 5317

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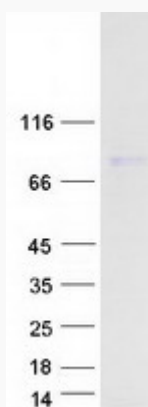
mRNA Refseq [NM_001005337](#)

Protein Refseq [NP_001005337](#)

MIM [601975](#)

UniProt ID [Q13835](#)

SDS-PAGE



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