

Recombinant Human PKP1 protein, His & GST-tagged

Cat. No. PKP1-1975H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PKP1 aa. (Asn500~Asn742 (Accession # Q13835)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asn500~Asn742
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 58.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Characteristic	The isoelectric point is 8.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	PKP1 plakophilin 1 [Homo sapiens (human)]
Official Symbol	PKP1
Synonyms	Cyp24a1; cytochrome P450, family 24, subfamily a, polypeptide 1; CP24; Cyp24; 24-OHase; 1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial; 25-hydroxyvitamin D-24-hydroxylase; cytochrome P450 24A1; cytochrome P450, 24; cytochrome P450, 24a1; cytochrome P450-CC24; vitamin D(3) 24-hydroxylase
Gene ID	5317

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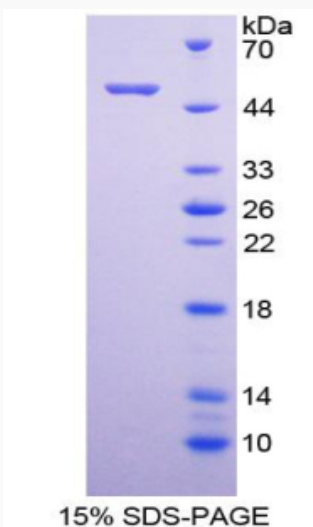
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mRNA Refseq [NM_000299.3](#)

Protein Refseq [NP_000290.2](#)

UniProt ID [Q13835](#)



SDS-PAGE

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