

Recombinant Mouse Pkp1 Protein, His-tagged

Cat. No. Pkp1-1943M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pkp1 Protein (Asn630-Phe728) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn630-Phe728
Description	Predicted to enable cadherin binding activity and lamin binding activity. Predicted to be involved in several processes, including cell-cell junction assembly; intermediate filament bundle assembly; and negative regulation of mRNA catabolic process. Predicted to act upstream of or within cell adhesion. Located in desmosome. Is expressed in alimentary system; larynx; sensory organ; skin; and urethra. Human ortholog(s) of this gene implicated in ectodermal dysplasia. Orthologous to human PKP1 (plakophilin 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 14.8 kDa Accurate Molecular Mass: 17 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Pkp1 plakophilin 1 [Mus musculus (house mouse)]
Official Symbol	Pkp1
Synonyms	PKP1; plakophilin 1; plakophilin-1; AI528551;
Gene ID	18772
mRNA Refseq	NM_019645
Protein Refseq	NP_062619
UniProt ID	P97350

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