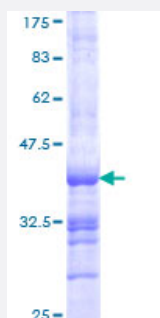


PKP1 (Human) Recombinant Protein (Q01)

Catalog # H00005317-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PKP1 partial ORF (NP_000290, 61 a.a. - 159 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	TLSHSNRGSMYDGLADNINYGTTSRSSYYSKFQAGNGSWGYPYNGTLKREPDNRRFSSYSQME NWSRHYPRGSCNTTGAGSDICFMQKIKASRSEPD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PKP1

Entrez GeneID [5317](#)

GeneBank Accession# [NM_000299](#)

Protein Accession# [NP_000290](#)

Gene Name PKP1

Gene Alias B6P, MGC138829

Gene Description plakophilin 1 (ectodermal dysplasia/skin fragility syndrome)

Omim ID [601975](#) [604536](#)

Gene Ontology [Hyperlink](#)

Gene 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. [provided by RefSeq]

Other Designations OTTHUMP00000033848|OTTHUMP00000033849|band 6 protein|plakophilin 1

Disease

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Panic Disorder](#)
- [Tobacco Use Disorder](#)