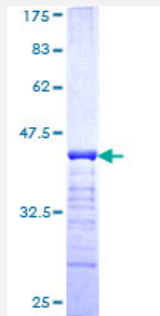


PKP4 (Human) Recombinant Protein (Q01)

Catalog # H00008502-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PKP4 partial ORF (NP_001005476, 12 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EGQPQTRQEAASTGPGMEPETTATILASVKEQEELQFQRLTRELEVERQIVASQLERCRLGAESP SIASTSSTEKSFWRSTDVPNTGVSKPRVSDAVQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (94); 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 — PKP4

Entrez GeneID [8502](#)

GeneBank Accession# [NM_001005476](#)

Protein Accession# [NP_001005476](#)

Gene Name PKP4

Gene Alias FLJ31261, FLJ42243, p0071

Gene Description plakophilin 4

Omim ID [604276](#)

Gene Ontology [Hyperlink](#)

Gene Summary Armadillo-like proteins are characterized by a series of armadillo repeats, first defined in the Drosophila 'armadillo' gene product, that are typically 42 to 45 amino acids in length. These proteins can be divided into subfamilies based on their number of repeats, their overall sequence similarity, and the dispersion of the repeats throughout their sequences. Members of the p120(ctn)/plakophilin subfamily of Armadillo-like proteins, including CTNND1, CTNND2, PKP1, PKP2, PKP4, and A RVCF. PKP4 may be a component of desmosomal plaque and other adhesion plaques and is thought to be involved in regulating junctional plaque organization and cadherin function. Multiple transcript variants have been found for this gene, but the full-length nature of only two of them have been described so far. These two variants encode distinct isoforms. [provided by RefSeq]

Other Designations catenin 4

Disease

- [Carcinoma](#)

- [Esophageal Neoplasms](#)
- [Tobacco Use Disorder](#)