

# Recombinant human UPK2 protein

Catalog Number: ATGP1903

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

26-155aa

### UniProt No.

O00526

### NCBI Accession No.

NP\_006751.1

### Alternative Names

uroplakin-2, uP2, uPII

## PRODUCT SPECIFICATION

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### Molecular Weight

16.2 kDa (153aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M uREA, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

uPK2 is one of the proteins of the highly urothelium-specific integral membrane proteins of the asymmetric unit membrane which forms urothelium apical plaques in mammals. The asymmetric unit membrane is believed to strengthen the urothelium by preventing cell rupture during bladder distention. This protein is expressed in the peripheral blood of bladder cancer patients with transitional cell carcinomas. Recombinant human uPK2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>DFNISSL SGLLSPALTE SLLVALPPCH LTGGNATLMV RRANDSKVVT  
SSFVPPCRG RRELVSVDVDS GAGFTVTRLS AYQVTNLVPG TKFYISYLVK KGTATESSRE IPMSTLPRRN MESIGLGMAR TGG

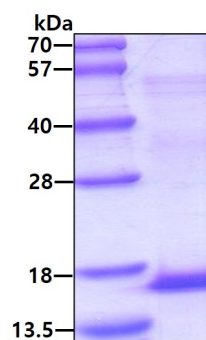
## General References

Jenkins,D., et al. (2006) Nephrol. Dial. Transplant. 21 (12), 3415-3421

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.