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## Product Data Sheet

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Product Name: UPK2 Human  
 Cat. No.: GP24956  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Uroplakin-2; UP2; Uroplakin II; UPII; UPK2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSDFNISL SGLLSPALTE SLLVALPPCH LTGGNATLMV RRANDSKVVT SSFVPPCRG RRELVSVVDS GAGFTVTRLS AYQVTNLVPG TKFYISYLVK KGTATESSRE IPMSTLPRRN MESIGLGMAR TGG.		
Formulation	UPK2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2M UREA and 10% glycerol.		

### Introduction

Uroplakin 2 (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 thought to strengthen the urothelium by preventing cell rupture during bladder distention. The UPK2 protein is expressed in the peripheral blood of bladder cancer patients with transitional cell carcinomas.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

UPK2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 153 amino acids (26-155 a.a) and having a molecular mass of 16.2kDa. UPK2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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