

UPK2 Protein, Human (Cell-Free, His, SUMO)

Cat. No.:	HY-P702489
Synonyms:	Uroplakin-2; Uroplakin II; UPII
Species:	Human
Source:	E. coli Cell-free
Accession:	O00526 (E85-K184)
Gene ID:	7379
Molecular Weight:	23.6 kDa

PROPERTIES

AA Sequence	<p> E L V S V V D S G A G F T V T R L S A Y Q V T N L V P G T K F Y I S Y L V K K G T A T E S S R E I P M S T L P R R N M E S I G L G M A R T G G M V V I T V L L S V A M F L L V L G F I I A L A L G S R K </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The UPK2 protein serves as a crucial constituent of the asymmetric unit membrane (AUM), a specialized biomembrane intricately developed by fully differentiated urothelial cells. Its potential involvement in regulating AUM assembly underscores its significance in maintaining the structural integrity and specialized functions of urothelial cells. Through its interaction with uroplakin-1a (UPK1A), UPK2 forms part of a molecular network that likely contributes to the unique properties of the AUM. This association highlights the intricate interplay between UPK2 and UPK1A, shedding light on their cooperative roles in the intricate biology of terminally differentiated urothelial cells (By similarity).</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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