

# UPK3A, human recombinant

<b>CATALOG #:</b>	7188-10	10 µg
	7188-50	50 µg
<b>ALTERNATE NAMES:</b>	Uroplakin 3A, UPK3, UPIII, Uroplakin III, UP3A	
<b>SOURCE:</b>	E. coli	
<b>PURITY:</b>	≥ 90% by SDS-PAGE	
<b>MOL. WEIGHT:</b>	23.1 kDa (214 a.a. [19-207 a.a.] + NT His Tag)	
<b>FORM:</b>	Liquid	
<b>FORMULATION:</b>	Sterile filtered colorless solution of 0.25 mg/ml containing 20 mM Tris-HCl buffer (pH 8.0), 150 mM NaCl, 2 mM DTT and 20% glycerol.	
<b>STORAGE CONDITIONS:</b>	Store at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	

**DESCRIPTION:**

UPK3A is a member of the uroplakin-3 family. Uroplakins (UP) which are transmembrane proteins are important components of the urothelium that pass the lipid bilayer once (UPII, UPIIIa, and UPIIIb) or four times (UPIa and UPIb; both members of the "tetraspanin" family). All hold great luminal/extracellular domains, but only UPIIIa and UPIIIb have significant cytoplasmic shares in their C-termini. UPK3A is an extremely specific and moderately sensitive immunohistochemical marker for primary and metastatic urothelial carcinomas. Alterations in this gene are related to renal adysplasia.

**AMINO ACID SEQUENCE:**

MGSSHHHHHH	SGLVPRGSH	MGSHMVNLQP	QLASVTFATN	NPTLTTVALE
KPLCMFDSKE	ALTGTHEVYL	YVLVDSAISR	NASVQDSTNT	PLGSTFLQTE
GGRTGPYKAV	AFDLIPCSDL	PSLDAIGDVS	KASQILNAYL	VRVGANGTCL
WDPNFQGLCN	PPLSAATEYR	FKYVLVNMST	GLVEDQTLWS	DPIRTNQLTP
YSTIDTWPGR	RSGG			

**FOR RESEARCH USE ONLY! Not to be used in humans.**

**RELATED PRODUCTS:**

- Apoptosis Detection Kits & Reagents
  - Annexin V Kits & Bulk Reagents
  - Caspase Assay Kits & Reagents
  - Mitochondrial Apoptosis Kits & Reagents
  - Nuclear Apoptosis Kits & Reagents
  - Apoptosis Inducers and Set
  - Apoptotic Cell Isolation Kit
- Cell Fractionation System
  - Mitochondria/Cytosol Fractionation Kit
  - Nuclear/Cytosol Fractionation Kit
  - Membrane Protein Extraction Kit
  - Cytosol/Particulate Rapid Separation Kit
  - Mammalian Cell Extraction Kit
  - FractionPREP Fractionation System
- Cell Proliferation & Senescence
  - Quick Cell Proliferation Assay Kit
  - Senescence Detection Kit
  - High Throughput Apoptosis/Cell Viability Assay Kits
  - LDH-Cytotoxicity Assay Kit
  - Bioluminescence Cytotoxicity Assay Kit
  - Live/Dead Cell Staining Kit
- Cell Damage & Repair
  - HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
  - HAT Colorimetric Assay Kit & Reagents
  - DNA Damage Quantification Kit
  - Glutathione Fluorometric & Colorimetric Assay Kits
  - Nitric Oxide Fluorometric & Colorimetric Assay Kits
- Signal Transduction
  - cAMP & cGMP Assay Kits
  - Akt & JNK Activity Assay Kits
  - Beta-Secretase Activity Assay Kit
- Adipocyte & Lipid Transfer
  - Adiponectin, Survivin, & Leptin Proteins and Antibodies
  - CETP Activity Assay & Drug Discovery Kits
  - PLTP Activity Assay Kit
  - Total Cholesterol Quantification Kit
- Molecular Biology & Reporter Assays
  - siRNA Expression Vectors
  - Cloning Insert Quick Screening Kit
  - Mitochondrial & Genomic DNA Isolation Kits
  - 5 Minutes DNA Ligation Kit
  - 20 Minutes Gel Staining/Destaining Kit
  - β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit
- Growth Factors and Cytokines
- Quality Antibodies for Apoptosis and Signal Transduction Molecules