

Recombinant Human Uroplakin 3A, His-tagged

Cat. No. UPK3A-4747H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human UPK3A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Species	Human
Source	Human
Description	UPK3A belongs to the uroplakin-3 family. Uroplakins (UP) are key components of the urothelium. They are transmembrane proteins that pass the lipid bilayer once (UPII, UPIIIa, and UPIIIb) or four times (UPIa and UPIb; both belonging to the "tetraspanin" family). All have large luminal/extracellular domains, but only UPIIIa and UPIIIb have significant cytoplasmic portions in their C-termini. UPK3A is a highly specific and moderately sensitive immunohistochemical marker for primary and metastatic urothelial carcinomas. Mutations in this gene may be associated with renal adysplasia
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 150mM NaCl
Molecular Weight	23.1kDa (214aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.25mg/ml (determined by Bradford assay)

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Sequences of amino acids

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

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name UPK3A uroplakin 3A [Homo sapiens]

Official Symbol UPK3A

Synonyms UPK3A; UP3A; UPK3; UPIII; UPIIIA; MGC119178; uroplakin-3a; uroplakin III; OTTHUMP00000199859; OTTHUMP00000199860; uroplakin 3A; Uroplakin III; uroplakin 3; UP3a

Gene ID 7380

mRNA Refseq NM_006953

Protein Refseq NP_008884

MIM 611559

UniProt ID O75631

Chromosome Location 22q13.31

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