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)

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA