

uPK3A recombinant protein

uPK3A, 19-207aa, Human, His tag, E Coli

CATALOG # AAA48745	HOST E Coli	APPLICATIONS SDS-Page
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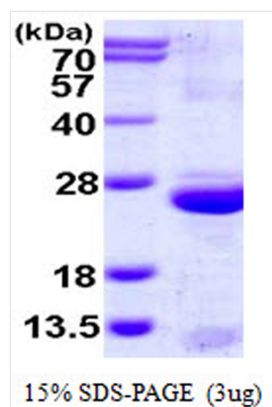
PRODUCT SYNONYMS

uPK3A; 19-207aa; Human; His tag; E Coli; uroplakin-3a; uPK3; uPK3A recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 150mM NaCl
Concentration	0.25mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSHMVNLQP QLASVTFATN NPTLTTVALE KPLCMFDSKE ALTGTHEVYL YVLVDSAISR NASVQDSTNT PLGSTFLQTE GGRTGPYKAV AFDLIPCSDL PSLDAIGDVS KASQILNAYL VRVGANGTCL WDPNFQGLCN PPLSAATEYR FKYVLNMST GLVEDQTLWS DPIRTNQLTP YSTIDTWPGR RSGG
Sequence Length	287
Applicable Applications for uPK3A recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for uPK3A recombinant protein	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 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.
Product Categories/Family for uPK3A recombinant protein	Cancer
References	Shapiro, E., et al. (2000) J. urol. 164: 1048-1051.; Wu, X.R., et al. (1994) J. Biol. Chem. 269:13716-13724.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3298345
NCBI GeneID	7380
Molecular Weight	23.1kDa (214aa), confirmed by MALDI-TOF
NCBI Official Full Name	uroplkin 3
NCBI Official Synonym Full Names	uroplakin 3A
NCBI Official Symbol	UPK3A
NCBI Official Synonym Symbols	UP3A; UPK3; UPIII; UPIIIA
NCBI Protein Information	uroplakin-3a
UniProt Protein Name	Uroplakin-3a
UniProt Gene Name	UPK3A
UniProt Synonym Gene Names	UPK3; UP3a; UPIII

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.