

UPK3A Human

Description:UPK3A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 214 amino acids (19-207 a.a.) and having a molecular mass of 23.1kDa. UPK3A is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-995

For research use only.

Synonyms:Uroplakin 3A, UPK3, UPIII, Uroplakin III, UP3A.

Source:E.coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMVNLQP QLASVTFATN
NPTLTTVALE KPLCMFDSKE ALTGTHEVYL YVLVDSAIR NASVQDSTNT PLGSTFLQTE
GGRTGPYKAV AFDLIPCSDL PSLDAIGDVS KASQILNAYL VRVGANGTCL WDPNFQGLCN
PPLSAATEYR FKYVLVNMST GLVEDQTLWS DPIRTNQLTP YSTIDTWPGR RSGG

Purity:Greater than 90% as determined by SDS-PAGE.

Formulation:

UPK3A protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 150mM NaCl, 2mM DTT and 20% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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