

Recombinant Human UPK1A protein, His & T7-tagged

Cat. No. UPK1A-7920H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human UPK1A aa. (His117~Gly232 (Accession # O00322)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	His117~Gly232
Description	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is found in the asymmetrical unit membrane (AUM) where it can complex with other transmembrane 4 superfamily proteins. It may play a role in normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane through AUM/cytoskeletal interactions. The protein may also play a role in tumor suppression. Alternative splicing results in multiple transcript variants of this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.0kDa.

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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.2.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	UPK1A uroplakin 1A [Homo sapiens (human)]
Official Symbol	UPK1A
Synonyms	UPK1A; uroplakin 1A; UP1A; UPIA; UPKA; TSPAN21; uroplakin-1a; tetraspanin-21; tspan-21; uroplakin Ia

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Gene ID	11045
mRNA Refseq	NM_001281443.1
Protein Refseq	NP_001268372.1
UniProt ID	O00322

SDS-PAGE

