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Datasheet for ABIN1691375

Uroplakin 2 Protein (UPK2) (AA 26-155) (His tag)

Overview

Quantity:	50 µg
Target:	Uroplakin 2 (UPK2)
Protein Characteristics:	AA 26-155
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Uroplakin 2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Uroplakin-2/UPK2 (C-6His)
Sequence:	DFNISSLGL LSPALTESLL VALPPCHLTG GNATLMVRRRA NDSKVVTSSF WPPCRGRRE LVSVDGAG FTVTRLSAYQ VTNLVPGTKF YISYLVKKGT ATESSREIPM STLPRRNMES IGLGMARTGG VDHHHHHH
Characteristics:	Recombinant Human Uroplakin-2/UPK2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Asp26-Gly155) of Human UPK2 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Uroplakin 2 (UPK2)
Alternative Name:	Uroplakin-2 (UPK2 Products)
Sub Type:	Fusionprotein
Background:	<p>Uroplakin-2 is a single-pass type I membrane protein that belongs to the uroplakin-2 family. Uroplakin-2 is a component of the asymmetric unit membrane (AUM) and expressed in the ureter, a highly specialized biomembrane elaborated by terminally differentiated urothelial cells. Uroplakin-2 forms heterodimer with UPK1A that is necessary for exiting out of the endoplasmic reticulum (ER). Uroplakin-2 may play an important role in regulating the assembly of the AUM. AUM is believed to strengthen the urothelium by preventing cell rupture during bladder distention.</p> <p>Alternative Names: Uroplakin-2, UP2, Uroplakin II, UPII, UPK2</p>
Molecular Weight:	14.84 kDa
UniProt:	O00526

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months