

Product datasheet

Recombinant Human Uroplakin III protein ab115705

1 Image

Overview

Product name	Recombinant Human Uroplakin III protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession	O75631
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMVNLQPQLASVTFATNNPTLTTVALE KPLCMFDSKEALTGTHEVYLYLVDSAISRNASVQDSTNTPLGSTFLQTE GGRTGPYKAVAFDLIPCSDLPSLDAIGDVSKASQLNAYLVRVGANGTCL WDPNFQGLCNPPLSAAATEYRFKYVLVNMSTGLVEDQTLWSDPIRNLTP YSTIDTWPGRSSGG
Molecular weight	23 kDa including tags
Amino acids	19 to 207
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab115705** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	MALDI-TOF
Purity	> 90 % SDS-PAGE. ab115705 is purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.32% Tris HCl, 0.03% DTT, 20% Glycerol, 0.88% Sodium chloride

General Info

Function

Component of the asymmetric unit membrane (AUM); a highly specialized biomembrane elaborated by terminally differentiated urothelial cells. May play an important role in AUM-cytoskeleton interaction in terminally differentiated urothelial cells. It also contributes to the formation of urothelial glycocalyx which may play an important role in preventing bacterial adherence.

Tissue specificity

Expressed in ureter.

Involvement in disease

Defects in UPK3A are a cause of renal adysplasia (RADYS) [MIM:191830]; also known as renal agenesis or renal aplasia. Renal agenesis refers to the absence of one (unilateral) or both (bilateral) kidneys at birth. Bilateral renal agenesis belongs to a group of perinatally lethal renal diseases, including severe bilateral renal dysplasia, unilateral renal agenesis with contralateral dysplasia and severe obstructive uropathy.

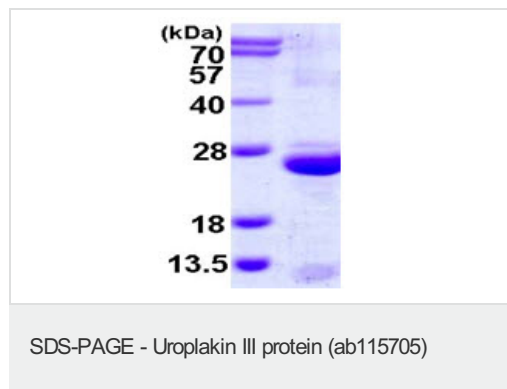
Sequence similarities

Belongs to the uroplakin-3 family.

Cellular localization

Endoplasmic reticulum membrane. Heterodimer formation with UPK1B is a prerequisite to exit out of the endoplasmic reticulum (ER).

Images



15% SDS-PAGE showing ab115705 at approximately 23.1kDa (3µg).

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors