

Product datasheet for **TP724610**

Uroplakin II (UPK2) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant Human Uroplakin-2/UPK2 (C-His) |
| Species: | Human |
| Expression cDNA Clone or AA Sequence: | Asp26-Gly155 |
| Tag: | C-6His |
| Buffer: | Supplied as a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4 |
| Note: | Recombinant Human Uroplakin-2 is produced by Human cells system and the target gene encoding Asp26-Gly155 is expressed with a 6His tag at the C-terminus. |
| Storage: | Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| Stability: | 12 months from date of despatch |
| Locus ID: | 7379 |
| UniProt ID: | O00526 |
| Synonyms: | Uroplakin-2; UP2; Uroplakin II; UPII; UPK2 |
| Summary: | 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. |
| Protein Families: | Transmembrane |



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