Recombinant UPKL2 protein (His tag)

Catalog Number	551645
Species	Human
Expression System	E. coli
Accession	E5RIL1
Molecular Weight	Predictes a molecular mass of 20.32 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	34-204
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 34-204 aa (E5RIL1) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	This product is a high-quality recombinant protein fragment of human Uroplakin-3b-like protein 2 (UPK3BL2), spanning residues 34-204. This 171-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, antibody development, and functional characterization. Uroplakin-3b-like protein 2 is encoded by the UPK3BL2 gene in humans. The full-length protein is a single-pass type I membrane protein localized to the cellular membrane. While a specific molecular function summary is not provided in the available data, its membrane topology and classification suggest a potential role in cell surface recognition, signaling, or structural integrity, consistent with the uroplakin protein family's association with specialized membrane domains.