Recombinant URP2 protein (His tag)

Catalog Number	543047
Synonyms	Kindlin-3; MIG2-like protein; Unc-112-related protein 2
Species	Human
Expression System	E. coli
Accession	Q86UX7
Molecular Weight	Predictes a molecular mass of 38.00 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 38 kDa band.

Product Information

Sequence Region	349-667
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 349-667 aa (Q86UX7) 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	Recombinant Human FERMT3 (Kindlin-3) Fragment (aa 349-667) is a high-purity protein designed for studying the PH domain's role in integrin activation and cell adhesion processes. This fragment provides a targeted tool for investigating hematopoietic cell adhesion mechanisms in research applications. Fermitin family homolog 3 (Kindlin-3), encoded by the FERMT3 gene, plays a central role in cell adhesion within hematopoietic cells by activating integrins β-1, β-2, and β-3. It is essential for integrin-mediated platelet adhesion and leukocyte adhesion to endothelial cells, particularly in polymorphonuclear granulocytes where it activates integrin β-2. The protein localizes to podosomes, specialized adhesion structures in hematopoietic cells, where it participates in F-actin ring formations. Additionally, isoform 2 may function as a repressor of NF-κB signaling and apoptosis pathways. The provided fragment (amino acids 349-667) contains the complete PH domain (354-457), enabling focused investigation of this critical functional region in adhesion mechanisms.