Recombinant PR40A protein (His tag)

Catalog Number	546538
Synonyms	Fas ligand-associated factor 1; Formin-binding protein 11; Formin-binding protein 3; Huntingtin yeast partner A; Huntingtin-interacting protein 10; HIP-10; Huntingtin-interacting protein A; Renal carcinoma antigen NY-REN-6
Species	Human
Expression System	E. coli
Accession	O75400
Molecular Weight	Predictes a molecular mass of 50.80 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 61 kDa band.

Product Information

Sequence Region	392-803
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 392-803 aa (O75400) 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 PRPF40A protein fragment (residues 392-803) from Homo sapiens, encompassing six critical FF domains. This high-purity fragment serves as an essential tool for investigating cytoskeletal regulation, cell morphology, and nuclear functions in advanced life science research. PRPF40A (Pre-mRNA-processing factor 40 homolog A) is a multifunctional human protein involved in cytoskeletal organization, cell migration, and nuclear processes. It binds to WASL/N-WASP to regulate its nuclear-cytoplasmic translocation and plays roles in cell shape control and cytokinesis. The protein localizes to nuclear speckles and the nuclear matrix, where it interacts with partners like AKAP8L. This recombinant fragment preserves the complete FF domain architecture, enabling targeted study of these specific functional regions.