Recombinant PFD3 protein (His tag)

Catalog Number	547129
Synonyms	HIBBJ46; von Hippel-Lindau-binding protein 1; VBP-1; VHL-binding protein 1
Species	Human
Expression System	E. coli
Accession	P61758
Molecular Weight	Predictes a molecular mass of 24.15 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	2-197
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 2-197 aa (P61758) 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 Prefoldin subunit 3 (VBP1), encompassing residues 2-197. It is designed to provide a stable and soluble unit ideal for structural studies, biochemical assays, and functional investigations into its role in protein folding and chaperone interactions. Prefoldin subunit 3, also known as VHL-binding protein 1 (VBP-1), is a cytosolic chaperone that binds specifically to cytosolic chaperonin (c-CPN) and facilitates the transfer of target proteins to it. It interacts with nascent polypeptide chains to promote proper folding, helping to prevent nonnative protein aggregation in competitive cellular environments. The protein is primarily located in the cytoplasm but can translocate to the nucleus when in complex with VHL, indicating a potential role in nuclear processes linked to its chaperone activity.