Recombinant BEND4 protein (His tag)

Catalog Number	550670
Synonyms	Coiled-coil domain-containing protein 4
Species	Human
Expression System	E. coli
Accession	Q6ZU67
Molecular Weight	Predictes a molecular mass of 22.19 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	322-497
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 322-497 aa (Q6ZU67) 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 BEN domain-containing protein 4 (BEND4) fragment (aa 322-497) is a highly purified protein preparation ideal for structural biology and biochemical studies. This 176-amino acid fragment was computationally selected to ensure optimal stability and solubility, providing researchers with a reliable tool for investigating protein function and interactions. The full-length BEN domain-containing protein 4, also known as coiled-coil domain-containing protein 4, is encoded by the BEND4 gene in humans. While specific functional details and subcellular localization information for the complete protein are not fully characterized in the provided data, this recombinant fragment represents a strategically designed portion that maintains structural integrity for experimental applications in protein research and characterization studies.