Recombinant CIB4 protein (His tag)

Catalog Number	548632
Species	Human
Expression System	E. coli
Accession	A0PJX0
Molecular Weight	Predictes a molecular mass of 23.40 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	1-185
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 1-185 aa (A0PJX0) 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 Calcium and integrin-binding family member 4 (CIB4) fragment (residues 1-185) is a high-purity protein designed to encompass the EF-hand 1, EF-hand 2, and EF-hand 3 domains. This product serves as an essential tool for investigating the specific functional roles of these calcium-binding domains in cellular processes. Calcium and integrin-binding family member 4 (CIB4), encoded by the gene CIB4 in Homo sapiens, is a protein involved in calcium-mediated signaling pathways. While detailed functional and subcellular localization data are not fully characterized, CIB4 is recognized for its EF-hand domains, which are critical for calcium binding and modulation of protein interactions. This recombinant fragment enables focused studies on the structural and functional contributions of its EF-hand domains to cellular mechanisms.