Recombinant DCBD1 protein (His tag)

Catalog Number	550711
Species	Human
Expression System	E. coli
Accession	Q8N8Z6
Molecular Weight	Predictes a molecular mass of 43.43 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 43 kDa band.

Product Information

Sequence Region	39-415
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 39-415 aa (Q8N8Z6) 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 DCBLD1 Fragment (39-415) is a high-purity protein encompassing the critical CUB, LCCL, and F5/8 type C domains. This fragment serves as an essential tool for investigating domain-specific functions, enabling researchers to explore protein interactions and signaling mechanisms with precision. The full-length Discoidin, CUB and LCCL domain-containing protein 1 (DCBLD1) is a single-pass type I membrane protein localized to the membrane, as indicated by its subcellular location. While detailed functional data is not provided, DCBLD1's domain architecture suggests involvement in extracellular recognition and protein-protein interactions, potentially playing roles in cellular adhesion or signaling pathways. The recombinant fragment (residues 39-415) focuses on these key domains to facilitate targeted studies on their contributions to the protein's biological activities.