Recombinant CHCH7 protein (His tag)

Catalog Number	549359
Species	Human
Expression System	E. coli
Accession	Q9BUK0
Molecular Weight	Predictes a molecular mass of 11.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1-85
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 1-85 aa (Q9BUK0) 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 CHCHD7 (Coiled-coil-helix-coiled-coil-helix domain-containing protein 7) fragment (residues 1-85) is a high-purity protein designed for functional studies. This fragment fully encompasses the CHCH domain, making it an ideal tool for investigating domain-specific interactions and mechanisms. The full-length CHCHD7 protein is localized to the mitochondrial intermembrane space, as indicated by its subcellular location. Mitochondrial proteins with CHCH domains are often involved in critical cellular processes such as oxidative phosphorylation, apoptosis regulation, and organelle dynamics. This recombinant fragment enables focused research on the structural and functional roles of the CHCH domain within its native mitochondrial context.