Recombinant CHCH5 protein (His tag)

Catalog Number	550749
Species	Human
Expression System	E. coli
Accession	Q9BSY4
Molecular Weight	Predictes a molecular mass of 14.05 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	1-110
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 1-110 aa (Q9BSY4) 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 CHCHD5 (1-110) Fragment is a high-purity protein encompassing the full-length CHCH domain-containing regions (CHCH 1 and CHCH 2) of the Coiled-coil-helix-coiled-coil-helix domain-containing protein 5. This fragment is an essential tool for investigating the structural and functional roles of these domains in mitochondrial processes. The full-length Coiled-coil-helix-coiled-coil-helix domain-containing protein 5 (CHCHD5) is localized to the mitochondrial intermembrane space, as indicated by its subcellular location. Proteins containing CHCH domains are often involved in critical mitochondrial functions, such as oxidative phosphorylation, apoptosis regulation, and organelle dynamics. This recombinant fragment provides researchers with a targeted reagent to study the specific contributions of the CHCH domains to these processes without interference from other protein regions.