Recombinant COA4 protein (His tag)

Catalog Number	548857
Synonyms	Coiled-coil-helix-coiled-coil-helix domain-containing protein 8; E2-induced gene 2 protein
Species	Human
Expression System	E. coli
Accession	Q9NYJ1
Molecular Weight	Predictes a molecular mass of 11.79 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1-87
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-87 aa (Q9NYJ1) 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 COA4 Fragment (1-87) - A high-purity protein fragment encompassing the complete CHCH domain of Cytochrome c oxidase assembly factor 4 homolog, mitochondrial. This carefully designed fragment serves as an essential tool for investigating the specific functional domains involved in cytochrome c oxidase assembly and mitochondrial function. Cytochrome c oxidase assembly factor 4 homolog (COA4) is a mitochondrial protein that functions as a putative COX assembly factor, playing a crucial role in the assembly and maintenance of cytochrome c oxidase complex. The protein localizes specifically to the mitochondrion, where it contributes to the proper formation of this essential respiratory chain component. The full-length protein, also known as coiled-coil-helix-coiled-coil-helix domain-containing protein 8 or E2-induced gene 2 protein, is involved in critical mitochondrial processes that support cellular energy production through oxidative phosphorylation.