Recombinant COXM2 protein (His tag)

Catalog Number	551029
Species	Human
Expression System	E. coli
Accession	Q9NRP2
Molecular Weight	Predictes a molecular mass of 11.11 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1-79
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-79 aa (Q9NRP2) 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 COX assembly mitochondrial protein 2 homolog (CMC2) fragment (residues 1-79), encompassing the full CHCH domain. This high-purity protein is ideal for investigating cytochrome c oxidase biogenesis mechanisms and mitochondrial protein assembly in cellular studies. COX assembly mitochondrial protein 2 homolog (CMC2) plays a role in cytochrome c oxidase biogenesis, contributing to the proper assembly of this essential mitochondrial enzyme complex. The protein localizes to the mitochondrion, where it supports oxidative phosphorylation and cellular energy production. This recombinant fragment spans residues 1-79, fully containing the conserved CHCH domain, enabling targeted research into domain-specific functions within mitochondrial respiratory chain assembly pathways.