Recombinant CBCO1 protein (His tag)

Catalog Number	550689
Species	Human
Expression System	E. coli
Accession	Q8IVU9
Molecular Weight	Predictes a molecular mass of 25.54 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	1-208
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-208 aa (Q8IVU9) 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 Ciliary-associated calcium-binding coiled-coil protein 1 (CABCOCO1) fragment (amino acids 1-208) is a high-quality, soluble protein designed for structural and functional studies. This fragment captures a stable domain of the protein, ideal for investigating calcium-binding properties and its role in cellular motility processes. Ciliary-associated calcium-binding coiled-coil protein 1 is a calcium-binding protein implicated in the regulation of sperm flagellar movement. It localizes to the cytoplasm, centrosome, and ciliary structures such as flagella, where it colocalizes with pericentrin in spermatocytes and round spermatids. This suggests a critical role in centrosome and cilia function, particularly in reproductive biology and cellular motility mechanisms.