Recombinant CB069 protein (His tag)

Catalog Number	551218
Species	Human
Expression System	E. coli
Accession	Q8N8R5
Molecular Weight	Predictes a molecular mass of 18.80 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	53-201
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 53-201 aa (Q8N8R5) 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 Mitochondrial protein C2orf69 (53-201) is a high-quality protein fragment designed for structural and biochemical research. This 149-amino acid fragment represents a stable, soluble unit of C2orf69, optimized for experimental applications investigating mitochondrial respiratory chain function. The full-length Mitochondrial protein C2orf69 (UniProt ID: Q8N8R5) is a human protein that may play a role in the respiratory chain, as supported by experimental evidence. The protein localizes to the mitochondrial matrix, positioning it within the central compartment of mitochondria where critical metabolic processes occur. This subcellular localization suggests C2orf69's potential involvement in mitochondrial energy production pathways, making it an important target for studies of cellular metabolism and mitochondrial function.