Recombinant CI057 protein (His tag)

Catalog Number	551843
Species	Human
Expression System	E. coli
Accession	Q5W0N0
Molecular Weight	Predictes a molecular mass of 10.97 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	79-161
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 79-161 aa (Q5W0N0) 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	This product is a high-quality recombinant protein fragment of human Uncharacterized protein C9orf57 (residues 79-161), designed for structural and biochemical studies. The 83-amino acid fragment was computationally selected for optimal stability and solubility, providing a reliable tool for investigating this membrane-associated protein. The full-length Uncharacterized protein C9orf57 (UniProt ID: Q5W0N0) is a human protein with a predicted single-pass transmembrane domain, suggesting it is an integral membrane protein. Its specific biological function remains to be fully elucidated, positioning it as a target for functional discovery research. The provided fragment corresponds to a soluble region outside the transmembrane domain, enabling experimental characterization of its potential extracellular or intracellular domains.