Recombinant CA054 protein (His tag)

Catalog Number	551429
Species	Human
Expression System	E. coli
Accession	Q8WWF1
Molecular Weight	Predictes a molecular mass of 10.81 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	50-131
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 50-131 aa (Q8WWF1) 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 C1orf54 (residues 50-131). The 82-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies and functional characterization of this secreted protein. Uncharacterized protein C1orf54 is a human protein encoded by the C1orf54 gene (UniProt ID: Q8WWF1). According to available data, the full-length protein is secreted, indicating it may function in extracellular signaling or other intercellular processes. While its precise biological function remains to be fully elucidated, its secretion suggests potential roles in cellular communication or regulation. This recombinant fragment provides researchers with a defined, soluble unit to advance the biochemical and structural understanding of this protein.