Recombinant CF047 protein (His tag)

Catalog Number	551657
Synonyms	Protein G4
Species	Human
Expression System	E. coli
Accession	O95873
Molecular Weight	Predictes a molecular mass of 10.20 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	181-261
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 181-261 aa (O95873) 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 C6orf47 (Protein G4) Fragment (aa 181-261) is a high-purity, soluble protein fragment designed for structural biology and functional studies. This 81-amino acid fragment, derived from the uncharacterized protein C6orf47, was computationally selected for optimal stability and solubility, making it an ideal reagent for researchers investigating protein structure and biochemical interactions. The full-length protein, C6orf47 (also known as Protein G4), is a human protein encoded by the gene C6orf47. As an uncharacterized protein, its precise biological function and subcellular localization are not yet fully elucidated, representing an area of active research. This recombinant fragment provides a valuable tool for researchers aiming to characterize the structure and function of this protein, potentially contributing to a deeper understanding of its role in cellular processes.