Recombinant CU058 protein (His tag)

Catalog Number	551676
Species	Human
Expression System	E. coli
Accession	P58505
Molecular Weight	Predictes a molecular mass of 10.12 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	87-160
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 87-160 aa (P58505) 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-purity recombinant protein fragment of human Uncharacterized protein C21orf58 (residues 87-160). The 74-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, antibody development, and functional characterization of this novel protein. Uncharacterized protein C21orf58, encoded by the C21orf58 gene, is a human protein with currently unknown molecular function and subcellular localization. As an uncharacterized protein, it represents a potential target for novel biological discovery. Research into proteins like C21orf58 is critical for expanding our understanding of the human proteome, identifying new cellular pathways, and discovering potential therapeutic targets. The specific fragment (87-160) offered here was selected through structural bioinformatics analysis to represent a predicted stable and soluble protein domain, facilitating experimental approaches to elucidate this protein's role in cellular processes.