Recombinant F91A2 protein (His tag)

Catalog Number	551810
Species	Human
Expression System	E. coli
Accession	P0C866
Molecular Weight	Predictes a molecular mass of 27.64 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	48-280
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 48-280 aa (P0C866) 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 corresponding to amino acids 48-280 of the Putative Uncharacterized Protein encoded by LINC00869 (UniProt ID: P0C866) from Homo sapiens. The 233-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology, biochemical characterization, and functional studies of this novel human protein. The full-length protein encoded by the LINC00869 gene is currently classified as a putative uncharacterized protein. As a long non-coding RNA (lncRNA)-encoded product, it represents an emerging and intriguing class of biomolecules with potential regulatory roles in cellular processes. The specific biological function, mechanism of action, and subcellular localization of the native protein remain to be fully elucidated. This recombinant fragment provides a critical tool for researchers aiming to investigate its structure, identify interacting partners, and uncover its physiological significance, thereby contributing to the broader understanding of the functional proteome encoded by the non-coding genome.