Recombinant F243A protein (His tag)

Catalog Number	552042
Synonyms	Protein FAM243A
Species	Human
Expression System	E. coli
Accession	B9A014
Molecular Weight	Predictes a molecular mass of 30.87 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	1-251
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 1-251 aa (B9A014) 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 fragment of the human uncharacterized protein C21orf140 (also known as Protein FAM243A). The fragment, encompassing amino acids 1-251, has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, antibody generation, and functional characterization of this novel protein. The full-length C21orf140 protein, encoded by the gene of the same name, is a currently uncharacterized human protein. As an uncharacterized protein, its precise biological function and subcellular localization remain to be experimentally determined. Research into proteins like FAM243A is crucial for expanding the functional annotation of the human proteome and may reveal novel biological pathways or therapeutic targets. The provided recombinant fragment offers a foundational tool to initiate these essential investigations.