Recombinant SPA13 protein (His tag)

Catalog Number	551397
Species	Human
Expression System	E. coli
Accession	Q6UXR4
Molecular Weight	Predictes a molecular mass of 32.06 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	43-307
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 43-307 aa (Q6UXR4) 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 Putative serpin A13 (SERPINA13P), encompassing residues 43-307. This 265-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical assays, and functional characterization. The full-length Putative serpin A13 protein, encoded by the gene SERPINA13P, is annotated as a secreted protein in humans (UniProt ID: Q6UXR4). As a member of the serpin (serine protease inhibitor) superfamily, it is implicated in the regulation of proteolytic pathways. Secreted serpins typically function as key modulators of extracellular processes, including inflammation, coagulation, and tissue remodeling. This recombinant fragment provides a focused tool to investigate the properties and potential interactions of this protein domain without the complexities associated with the full-length, secreted protein.