Recombinant SPA2L protein (His tag)

Catalog Number	540668
Synonyms	SPATA2-like protein
Species	Human
Expression System	E. coli
Accession	Q8IUW3
Molecular Weight	Predictes a molecular mass of 24.66 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	1-208
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 1-208 aa (Q8IUW3) 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 SPATA2-like protein fragment (amino acids 1-208) is a high-quality, soluble protein preparation ideal for structural biology studies and functional characterization. This 208-amino acid fragment represents a stable, well-folded domain computationally optimized for experimental applications, providing researchers with a reliable tool to investigate spermatogenesis-associated protein function. The SPATA2-like protein, encoded by the SPATA2L gene, is a human protein whose specific molecular functions and subcellular localization have not been fully characterized. Based on its nomenclature and association with the SPATA protein family, it is implicated in spermatogenesis-related processes, though detailed mechanistic insights remain to be elucidated through further research. The full-length protein's biological significance is inferred from its classification within the spermatogenesis-associated protein family, suggesting potential roles in reproductive biology and cellular differentiation pathways.