Recombinant TEX22 protein (His tag)

Catalog Number	551793
Species	Human
Expression System	E. coli
Accession	C9J3V5
Molecular Weight	Predictes a molecular mass of 13.19 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	49-150
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 49-150 aa (C9J3V5) 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 Testis-expressed protein 22 (TEX22) Fragment (aa 49-150) is a high-purity, 102-amino acid protein fragment designed for structural and biochemical research. This fragment represents a computationally selected, stable, and soluble unit of TEX22, optimized for experimental applications in protein interaction studies and functional characterization. Testis-expressed protein 22 (TEX22) is a human protein encoded by the TEX22 gene (UniProt ID: C9J3V5). Based on its subcellular localization, the full-length protein is found in the cytoplasm and is associated with cytoplasmic vesicles, specifically secretory vesicles and the acrosome. This localization pattern suggests a potential role in vesicle-mediated transport or specialized secretory processes, particularly in reproductive biology. The provided fragment (amino acids 49-150) offers a defined and tractable protein unit for investigating the molecular properties and potential interactions of TEX22.