Recombinant TSPY3 protein (His tag)

Catalog Number	551108
Species	Human
Expression System	E. coli
Accession	P0CV98
Molecular Weight	Predictes a molecular mass of 29.85 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	67-308
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 67-308 aa (P0CV98) 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-specific Y-encoded protein 3 (TSPY3) Fragment (residues 67-308) is a high-purity protein designed for research applications. This 242-amino acid fragment represents a stable and soluble unit optimized for structural and biochemical studies, supporting investigations into sperm differentiation and proliferation mechanisms. Testis-specific Y-encoded protein 3 (TSPY3) is a human protein implicated in sperm differentiation and proliferation processes. According to functional annotations, TSPY3 plays a role in male germ cell development. The protein localizes to both the cytoplasm and nucleus, suggesting potential involvement in multiple cellular compartments during spermatogenesis. The recombinant fragment (residues 67-308) was selected through computational analysis to provide a stable, soluble protein region ideal for experimental characterization while maintaining relevance to the full-length protein's biological context.