Recombinant TSYL4 protein (His tag)

Catalog Number	549404
Synonyms	TSPY-like protein 4
Species	Human
Expression System	E. coli
Accession	Q9UJ04
Molecular Weight	Predictes a molecular mass of 27.00 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	200-414
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 200-414 aa (Q9UJ04) 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 TSPY-like protein 4 (TSPYL4) fragment (residues 200-414) from Homo sapiens, designed for structural and biochemical studies. This 215-amino acid fragment is computationally optimized for stability and solubility, enabling reliable experimental analysis of this testis-specific protein. The full-length Testis-specific Y-encoded-like protein 4 (TSPYL4) is a human protein encoded by the TSPYL4 gene. While specific functional details and subcellular localization information are not fully characterized in the provided data, proteins in the TSPY family are typically associated with testis-specific functions and may play roles in reproductive biology. Further research is needed to elucidate the precise molecular mechanisms and cellular localization of TSPYL4.