Recombinant TX13A protein (His tag)

Catalog Number	549633
Species	Human
Expression System	E. coli
Accession	Q9BXU3
Molecular Weight	Predictes a molecular mass of 18.50 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	1-146
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 1-146 aa (Q9BXU3) 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	Introducing the recombinant Human Testis-expressed protein 13A (TEX13A) fragment (amino acids 1-146), a high-quality protein designed for structural and biochemical studies. This fragment represents a stable and soluble unit, ideal for investigating RNA-binding interactions and transcriptional regulation mechanisms. Testis-expressed protein 13A (TEX13A) is a human protein that binds single-stranded RNA containing the consensus sequence 5'-AGGUAA-3', as demonstrated in PubMed:21256132. It plays a role in transcriptional repression and is required for rapid sperm motility and timely mRNA degradation through its interaction with CNOT1, based on similarity to related proteins. The subcellular localization is not specified in the provided data.