Recombinant TEX28 protein (His tag)

Catalog Number	550591
Species	Human
Expression System	E. coli
Accession	O15482
Molecular Weight	Predictes a molecular mass of 18.37 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	195-335
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 195-335 aa (O15482) 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 protein TEX28 fragment (residues 195-335) is a high-quality, stable protein designed for structural and biochemical studies. This 141-amino acid fragment was computationally selected to ensure solubility and stability, making it an ideal tool for investigating the properties and interactions of this testis-specific membrane protein. Testis-specific protein TEX28 is a human protein encoded by the TEX28 gene, with additional pseudogenes TEX28P1 and TEX28P2. According to UniProt entry O15482, TEX28 is localized to the membrane and is characterized as a single-pass membrane protein. While detailed functional data is limited, its testis-specific expression pattern and membrane localization suggest potential roles in male reproductive biology and cellular membrane-associated processes.