Recombinant TAF7L protein (His tag)

Catalog Number	545131
Synonyms	Cancer/testis antigen 40; CT40; RNA polymerase II TBP-associated factor subunit Q; TATA box-binding protein-associated factor 50 kDa; Transcription initiation factor TFIID 50 kDa subunit
Species	Human
Expression System	E. coli
Accession	Q5H9L4
Molecular Weight	Predictes a molecular mass of 23.91 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	95-289
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 95-289 aa (Q5H9L4) 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 TAF7L Protein Fragment (aa 95-289) is a high-quality, stable, and soluble protein designed for structural and functional studies. This fragment of the Transcription initiation factor TFIID subunit 7-like (CT40) is optimized for biochemical assays, supporting research in transcription regulation and spermatogenesis. The full-length TAF7L protein functions as a spermatogenesis-specific component of the TFIID complex, a key general transcription factor that mediates promoter responses to activators and repressors during gene expression. It plays a critical role in spermatogenesis, with localization shifting from the cytoplasm in spermatogonia and early spermatocytes to the nucleus in pachytene spermatocytes and round spermatids, underscoring its importance in male germ cell development.