Recombinant TEAN2 protein (His tag)

Catalog Number	550213
Species	Human
Expression System	E. coli
Accession	Q96MN5
Molecular Weight	Predictes a molecular mass of 25.80 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	1-208
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 1-208 aa (Q96MN5) 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 TCEANC2 Protein (Fragment 1-208) is a high-purity protein encompassing the N-terminal and central domains of Transcription Elongation Factor A N-terminal and Central Domain-containing Protein 2. This fragment is engineered to include the TFIIS N-terminal and central domains, providing an excellent tool for studying transcription elongation mechanisms and domain-specific functions in vitro. The full-length Transcription Elongation Factor A N-terminal and Central Domain-containing Protein 2 (TCEANC2) is localized to the nucleus, as indicated by its subcellular location annotation. Nuclear localization suggests its involvement in transcriptional processes, consistent with the presence of TFIIS-like domains, which are typically associated with transcription elongation factors. These factors play critical roles in regulating RNA polymerase II activity during transcription, facilitating efficient RNA synthesis and gene expression. The provided fragment allows focused investigation of these functional domains without interference from other regions of the protein.