Recombinant TFPT protein (His tag)

Catalog Number	544353
Synonyms	INO80 complex subunit F; Protein FB1
Species	Human
Expression System	E. coli
Accession	P0C1Z6
Molecular Weight	Predictes a molecular mass of 17.76 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	1-138
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-138 aa (P0C1Z6) 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 TCF3 fusion partner (INO80 complex subunit F) Fragment (1-138) is a high-purity, stable protein fragment designed for structural and biochemical studies. This product represents a soluble and functional unit of TFPT, supporting research into chromatin remodeling and apoptosis regulation. The full-length TFPT protein (UniProt ID: P0C1Z6) is a multifunctional human protein involved in transcriptional regulation, DNA replication, and DNA repair as a putative regulatory component of the chromatin remodeling INO80 complex. It also promotes apoptosis independently of p53/TP53, highlighting its role in cellular stress responses and homeostasis. The protein is localized to the nucleus, where it participates in chromatin-related processes. This recombinant fragment enables focused investigation of these critical functions in a stable, experimentally tractable format.