Recombinant TIGD2 protein (His tag)

Catalog Number	551690
Species	Human
Expression System	E. coli
Accession	Q4W5G0
Molecular Weight	Predictes a molecular mass of 45.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 46 kDa band.

Product Information

Sequence Region	1-390
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 1-390 aa (Q4W5G0) 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 our high-purity recombinant Tigger transposable element-derived protein 2 (TIGD2) fragment (amino acids 1-390). This product is engineered to encompass the complete HTH psq-type, HTH CENPB-type, and DDE-1 functional domains, providing researchers with a precise tool for investigating the specific mechanisms and interactions of these critical nuclear domains. Tigger transposable element-derived protein 2 (TIGD2) is a human protein localized to the nucleus, as indicated by its subcellular location annotation. While a detailed functional summary is not provided, proteins containing the HTH (helix-turn-helix) psq-type and CENPB-type domains are typically involved in DNA binding and transcriptional regulation, often associated with chromatin organization and centromere function. The inclusion of the DDE-1 domain, commonly found in transposases and integrases, suggests a potential role in nucleic acid metabolism or mobilization. This recombinant fragment, spanning residues 1-390, is specifically designed to isolate and study the combined functionality of these architecturally significant domains, enabling targeted research into their contributions to nuclear processes.