Recombinant TIGD3 protein (His tag)

Catalog Number	550644
Species	Human
Expression System	E. coli
Accession	Q6B0B8
Molecular Weight	Predictes a molecular mass of 35.20 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 37 kDa band.

Product Information

Sequence Region	164-471
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 164-471 aa (Q6B0B8) 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 Tigger transposable element-derived protein 3 (TIGD3) fragment (residues 164-471) is a high-purity protein designed for functional studies of the DDE-1 domain. This product provides researchers with a targeted tool to investigate domain-specific mechanisms in transposable element regulation. Tigger transposable element-derived protein 3 (TIGD3) is a human protein encoded by the TIGD3 gene (UniProt ID: Q6B0B8) that localizes to the nucleus, as evidenced by conserved nuclear localization signals. The full-length protein belongs to the transposable element-derived protein family, suggesting potential roles in genetic regulation and genome evolution. This recombinant fragment spanning residues 164-471 specifically contains the complete DDE-1 domain (residues 167-360), which is characteristic of proteins involved in DNA transposition and nucleic acid binding activities, making it valuable for structural and functional studies of domain-specific interactions.