Recombinant TIS11 protein (His tag)

Catalog Number	534530
Synonyms	dTIS11
Species	Drosophila melanogaster
Expression System	E. coli
Accession	P47980
Gene ID	32222
Molecular Weight	Predictes a molecular mass of 11.13 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	134-215
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 134-215 aa (P47980) 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 Protein TIS11 (dTIS11) Fragment (134-215) is a highly stable and soluble 82-amino acid fragment derived from Drosophila melanogaster Tis11 protein. This fragment was computationally optimized for structural integrity and solubility, making it an ideal reagent for structural biology studies, biochemical assays, and functional investigations. Protein TIS11 (dTIS11), encoded by the Tis11 gene in Drosophila melanogaster, is localized to the nucleus, as indicated by its subcellular location annotation. Nuclear localization suggests potential roles in gene regulation, nucleic acid binding, or transcriptional processes. The full-length protein's functional significance in fruit fly biology makes this recombinant fragment valuable for exploring conserved molecular mechanisms in eukaryotic systems.