Recombinant ETS3 protein (His tag)

Catalog Number	535222
Species	Drosophila melanogaster
Expression System	E. coli
Accession	P29774
Gene ID	38700
Molecular Weight	Predictes a molecular mass of 12.46 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	315-406
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 315-406 aa (P29774) 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	The recombinant DNA-binding protein D-ETS-3 fragment (residues 315-406) from Drosophila melanogaster offers a stable and soluble unit ideal for structural biology and biochemical studies, facilitating research into transcription factor mechanisms. The full-length DNA-binding protein D-ETS-3, encoded by the Ets65A gene in Drosophila melanogaster, is localized to the nucleus, indicating its role in nuclear processes such as gene regulation. As a member of the ETS family, it is involved in DNA binding and transcriptional control, contributing to critical cellular functions including development and differentiation. The selected fragment (315-406) was designed to provide a soluble and stable region for experimental applications, supporting investigations into protein-DNA interactions and molecular pathways.