Recombinant SET protein (His tag)

Catalog Number	535023
Species	Drosophila melanogaster
Expression System	E. coli
Accession	P53997
Gene ID	41844
Molecular Weight	Predictes a molecular mass of 28.13 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	1-230
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 1-230 aa (P53997) 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 Drosophila melanogaster Protein SET (amino acids 1-230) is a highly pure, stable fragment designed for structural biology and biochemical studies. This 230-amino acid construct represents a soluble unit optimized for experimental applications, providing researchers with a reliable tool for investigating protein function and interactions. Protein SET, encoded by the Set gene in Drosophila melanogaster (UniProt ID: P53997), is a conserved eukaryotic protein involved in diverse cellular processes. While specific functional details and subcellular localization for the fruit fly ortholog require further characterization, SET family proteins are generally recognized as important regulators of chromatin modification, transcription, and cell signaling pathways across species. The full-length protein's significance stems from its potential roles in epigenetic regulation and cellular homeostasis.