Recombinant PSF2 protein (His tag)

Catalog Number	534245
Synonyms	GINS complex subunit 2
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q9VQY9
Gene ID	33641
Molecular Weight	Predictes a molecular mass of 24.77 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	1-203
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 1-203 aa (Q9VQY9) 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	This product is a recombinant fragment (amino acids 1-203) of the Probable DNA replication complex GINS protein PSF2 (GINS complex subunit 2) from Drosophila melanogaster. It represents a stable and soluble unit ideal for structural and biochemical studies of DNA replication initiation mechanisms. The full-length GINS complex subunit 2 protein is essential for the initiation of DNA replication, as part of the GINS complex. It is localized to the nucleus, where it contributes to the core machinery that ensures accurate and efficient DNA duplication during cell division, playing a critical role in maintaining genomic integrity.