Recombinant CDC7B protein (His tag)

Catalog Number	534641
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q9VJ90
Gene ID	35095
Molecular Weight	Predictes a molecular mass of 26.80 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	405-624
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 405-624 aa (Q9VJ90) 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 non-specific serine/threonine protein kinase (EC 2.7.11.1) fragment (residues 405-624) from Drosophila melanogaster. This 220-amino acid fragment is a stable, soluble unit ideal for structural and biochemical studies, enabling researchers to explore kinase function and regulation in meiotic processes. The full-length non-specific serine/threonine protein kinase is a probable kinase that forms a complex with the N-terminal peptide of the chiffon protein, and it may play a role in regulating meiotic processes in the male testis of Drosophila melanogaster, as supported by experimental evidence (PubMed:25451925). This kinase's involvement in meiotic regulation highlights its importance in cellular division and developmental biology research.