Recombinant SRYD protein (His tag)

Catalog Number	532012
Synonyms	Serendipity-delta
Species	Drosophila melanogaster
Expression System	E. coli
Accession	P07664
Gene ID	43572
Molecular Weight	Predictes a molecular mass of 12.01 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1-94
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 1-94 aa (P07664) 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 Serendipity locus protein delta (Serendipity-delta) fragment (amino acids 1-94) from Drosophila melanogaster. This high-purity fragment fully encompasses the ZAD functional domain, providing an essential tool for studying transcriptional activation mechanisms and DNA-binding activities in developmental biology research. Serendipity locus protein delta is a transcriptional activator that regulates bicoid gene expression during oogenesis in Drosophila melanogaster. The protein localizes to the nucleus and binds to specific DNA sequences (5'-YTAGAGATGGRAA-3') to control gene expression. It is found in transcriptionally active cells and binds to specific sites on polytene chromosomes during larval development. The full-length protein plays a critical role in developmental gene regulation, making it a valuable subject for studying transcriptional control mechanisms in eukaryotic systems.