Recombinant STRA protein (His tag)

Catalog Number	536702
Synonyms	STRAD; Ste20-like kinase
Species	Drosophila melanogaster
Expression System	E. coli
Accession	P83098
Gene ID	3355135
Molecular Weight	Predictes a molecular mass of 41.55 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 42 kDa band.

Product Information

Sequence Region	1-346
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 1-346 aa (P83098) 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 STE20-related kinase adapter protein stlk (STRAD) fragment (amino acids 1-346), encompassing the complete Protein kinase domain. This high-purity fragment serves as an essential tool for investigating kinase function and signaling pathways in fruit fly models. The full-length STE20-related kinase adapter protein stlk (STRAD) is a Ste20-like kinase from Drosophila melanogaster that plays crucial roles in cellular signaling pathways. As a member of the STE20 kinase family, it functions as an adapter protein involved in regulating various cellular processes through kinase-mediated signaling cascades. The protein's kinase activity positions it as a key regulator in developmental and physiological pathways, making it an important subject for studying conserved signaling mechanisms in model organisms.