Recombinant WCSD protein (His tag)

Catalog Number	536632
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q9VXV9
Gene ID	32467
Molecular Weight	Predictes a molecular mass of 31.26 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	62-317
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 62-317 aa (Q9VXV9) 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 WSCD family member CG9164 protein fragment (residues 62-317) is a high-purity, soluble preparation designed for structural biology and biochemical studies. This 256-amino acid fragment was computationally optimized for stability and solubility, enabling reliable experimental characterization of this membrane-associated protein. The full-length WSCD family member CG9164 from Drosophila melanogaster is a single-pass membrane protein localized to cellular membranes. As a member of the WSCD protein family, it is implicated in membrane-associated cellular processes, though its specific molecular function requires further characterization. The membrane localization suggests potential roles in signal transduction, cellular adhesion, or membrane organization pathways in fruit fly biology.