Recombinant APP protein (His tag)

Catalog Number	532456
Synonyms	Protein approximated
Species	Drosophila melanogaster
Expression System	E. coli
Accession	A2VEY9
Gene ID	39399
Molecular Weight	Predictes a molecular mass of 12.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	93-190
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 93-190 aa (A2VEY9) 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 Palmitoyltransferase app (EC 2.3.1.225) Fragment (residues 93-190) from Drosophila melanogaster, a stable and soluble protein unit designed for structural and biochemical studies of palmitoylation mechanisms. Palmitoyltransferase app is an enzyme that catalyzes the palmitoylation of Dlish, a modification essential for the apical cell cortex localization, stability, and full activity of the protein dachs. This enzyme is localized to the endoplasmic reticulum membrane and apical cell membrane, functioning as a multi-pass membrane protein. The provided fragment (residues 93-190) represents a computationally optimized region for experimental applications, enabling focused investigation of its biochemical properties without the complexities of the full-length membrane-associated protein.