Recombinant LSD2 protein (His tag)

Catalog Number	532412
Synonyms	Lsd2
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q9VXY7
Gene ID	32437
Molecular Weight	Predictes a molecular mass of 20.00 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	37-201
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 37-201 aa (Q9VXY7) 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 Lipid storage droplets surface-binding protein 2 (Lsd2) fragment (residues 37-201) from Drosophila melanogaster, a key protein essential for embryogenesis and neutral lipid deposition in oocytes. This 165-amino acid fragment is engineered for stability and solubility, ideal for structural and biochemical studies. Lipid storage droplets surface-binding protein 2 (Lsd2), encoded by the Lsd-2 gene in Drosophila melanogaster, is critical for embryogenesis and normal deposition of neutral lipids in oocytes. It localizes to the cytoplasm and the surface of neutral lipid storage droplets in oocytes, where it colocalizes with Lsd-1 in fat body cells, playing a vital role in lipid droplet organization and embryonic development.