Recombinant PLIN2 protein (His tag)

Catalog Number	545764
Synonyms	Adipophilin; Adipose differentiation-related protein; ADRP
Species	Human
Expression System	E. coli
Accession	Q99541
Molecular Weight	Predictes a molecular mass of 12.63 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	306-404
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 306-404 aa (Q99541) 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	This product is a high-quality recombinant protein fragment of human Perilipin-2 (Adipophilin), encompassing residues 306-404. It is designed for researchers studying lipid droplet biology, offering a stable and soluble unit ideal for structural and biochemical investigations. Perilipin-2, also known as Adipophilin or ADRP, is a structural component essential for the formation and maintenance of lipid storage droplets in cells. It localizes to lipid droplet membranes as a peripheral membrane protein, playing a critical role in lipid metabolism and storage. This fragment was selected computationally to represent a stable region, facilitating detailed analysis of its functional domains.