Recombinant APOL4 protein (His tag)

Catalog Number	549353
Synonyms	Apolipoprotein L-IV; ApoL-IV
Species	Human
Expression System	E. coli
Accession	Q9BPW4
Molecular Weight	Predictes a molecular mass of 13.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	34-132
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 34-132 aa (Q9BPW4) 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 Apolipoprotein L4 (ApoL-IV) Fragment (34-132) is a high-quality, stable protein fragment derived from human APOL4, designed for lipid transport research and structural studies. This 99-amino acid fragment offers excellent solubility and reliability for biochemical and functional assays. Apolipoprotein L4 (ApoL-IV) is a secreted protein in humans that plays a role in lipid exchange and transport throughout the body. Based on similarity to related proteins, it is implicated in reverse cholesterol transport, facilitating the movement of cholesterol from peripheral cells to the liver for processing. This function underscores its potential importance in lipid metabolism and cardiovascular health research.