PRODUCT INFORMATION

Target	APOE
Synonyms	Apo-E; Apolipoprotein E
Description	Recombinant human APOE Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P02649
Expression Host	HEK293
Tag	C-6×His tag
Molecular Characterization	APOE(Lys19-His317) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 35.1 kDa after removal of the signal peptide. The apparent molecular mass of APOE-His is approximately 25-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene is a major apoprotein of the chylomicron. It binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This gene maps to chromosome 19 in a cluster with the related apolipoprotein C1 and C2 genes. Mutations in this gene result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants. [provided by RefSeq, Jun 2016]
Usage	Research use only
Conjugate	Unconjugated

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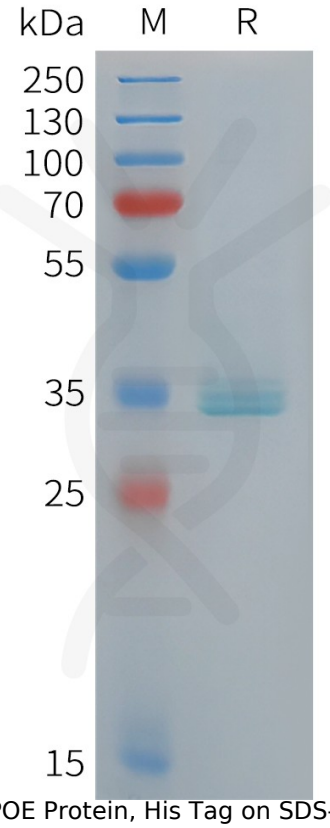


Figure 1. Human APOE Protein, His Tag on SDS-PAGE under reducing condition.

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